Alcatel-Lucent 5620

SERVICE AWARE MANAGER

OPTICAL PARAMETER REFERENCE

Alcatel·Lucent

Disclaimers

Alcatel-Lucent products are intended for commercial uses. Without the appropriate network design engineering, they must not be sold, licensed or otherwise distributed for use in any hazardous environments requiring fail-safe performance, such as in the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control, direct life-support machines, or weapons systems, in which the failure of products could lead directly to death, personal injury, or severe physical or environmental damage. The customer hereby agrees that the use, sale, license or other distribution of the products for any such application without the prior written consent of Alcatel-Lucent, shall be at the customer's sole risk. The customer hereby agrees to defend and hold Alcatel-Lucent harmless from any claims for loss, cost, damage, expense or liability that may arise out of or in connection with the use, sale, license or other distribution of the products in such applications.

This document may contain information regarding the use and installation of non-Alcatel-Lucent products. Please note that this information is provided as a courtesy to assist you. While Alcatel-Lucent tries to ensure that this information accurately reflects information provided by the supplier, please refer to the materials provided with any non-Alcatel-Lucent product and contact the supplier for confirmation. Alcatel-Lucent assumes no responsibility or liability for incorrect or incomplete information provided about non-Alcatel-Lucent products.

However, this does not constitute a representation or warranty. The warranties provided for Alcatel-Lucent products, if any, are set forth in contractual documentation entered into by Alcatel-Lucent and its customers.

This document was originally written in English. If there is any conflict or inconsistency between the English version and any other version of a document, the English version shall prevail.

Alcatel-Lucent License Agreement

SAMPLE END USER LICENSE AGREEMENT

1. LICENSE

1.1 Subject to the terms and conditions of this Agreement, Alcatel-Lucent grants to Customer and Customer accepts a nonexclusive, nontransferable license to use any software and related documentation provided by Alcatel-Lucent pursuant to this Agreement ("Licensed Program") for Customer's own internal use, solely in conjunction with hardware supplied or approved by Alcatel-Lucent. In case of equipment failure, Customer may use the Licensed Program on a backup system, but only for such limited time as is required to rectify the failure.

1.2 Customer acknowledges that Alcatel-Lucent may have encoded within the Licensed Program optional functionality and capacity (including, but not limited to, the number of equivalent nodes, delegate workstations, paths and partitions), which may be increased upon the purchase of the applicable license extensions.

1.3 Use of the Licensed Program may be subject to the issuance of an application key, which shall be conveyed to the Customer in the form of a Supplement to this End User License Agreement. The purchase of a license extension may require the issuance of a new application key.

2. PROTECTION AND SECURITY OF LICENSED PROGRAMS

2.1 Customer acknowledges and agrees that the Licensed Program contains proprietary and confidential information of Alcatel-Lucent and its third party suppliers, and agrees to keep such information confidential. Customer shall not disclose the Licensed Program except to its employees having a need to know, and only after they have been advised of its confidential and proprietary nature and have agreed to protect same.

2.2 All rights, title and interest in and to the Licensed Program, other than those expressly granted to Customer herein, shall remain vested in Alcatel-Lucent or its third party suppliers. Customer shall not, and shall prevent others from copying, translating, modifying, creating derivative works, reverse engineering, decompiling, encumbering or otherwise using the Licensed Program except as specifically authorized under this Agreement. Notwithstanding the foregoing, Customer is authorized to make one copy for its archival purposes only. All appropriate copyright and other proprietary notices and legends shall be placed on all Licensed Programs supplied by Alcatel-Lucent, and Customer shall maintain and reproduce such notices on any full or partial copies made by it.

3. TERM

3.1 This Agreement shall become effective for each Licensed Program upon delivery of the Licensed Program to Customer.

3.2 Alcatel-Lucent may terminate this Agreement: (a) upon notice to Customer if any amount payable to Alcatel-Lucent is not paid within thirty (30) days of the date on which payment is due; (b) if Customer becomes bankrupt, makes an assignment for the benefit of its creditors, or if its assets vest or become subject to the rights of any trustee, receiver or other administrator; (c) if bankruptcy, reorganization or insolvency proceedings are instituted against Customer and not dismissed within 15 days; or (d) if Customer breaches a material provision of this Agreement and such breach is not rectified within 15 days of receipt of notice of the breach from Alcatel-Lucent.

3.3 Upon termination of this Agreement, Customer shall return or destroy all copies of the Licensed Program. All obligations of Customer arising prior to termination, and those obligations relating to confidentiality and nonuse, shall survive termination.

4. CHARGES

4.1 Upon shipment of the Licensed Program, Alcatel-Lucent will invoice Customer for all fees, and any taxes, duties and other charges. Customer will be invoiced for any license extensions upon delivery of the new software application key or, if a new application key is not required, upon delivery of the extension. All amounts shall be due and payable within thirty (30) days of receipt of invoice, and interest will be charged on any overdue amounts at the rate of 1 1/2% per month (19.6% per annum).

5. SUPPORT AND UPGRADES

5.1 Customer shall receive software support and upgrades for the Licensed Program only to the extent provided for in the applicable Alcatel-Lucent software support policy in effect from time to time, and upon payment of any applicable fees. Unless expressly excluded, this Agreement shall be deemed to apply to all updates, upgrades, revisions, enhancements and other software which may be supplied by Alcatel-Lucent to Customer from time to time.

6. WARRANTIES AND INDEMNIFICATION

6.1 Alcatel-Lucent warrants that the Licensed Program as originally delivered to Customer will function substantially in accordance with the functional description set out in the associated user documentation for a period of 90 days from the date of shipment, when used in accordance with the user documentation. Alcatel-Lucent's sole liability and Customer's sole remedy for a breach of this warranty shall be Alcatel-Lucent's good faith efforts to rectify the nonconformity or, if after repeated efforts Alcatel-Lucent is unable to rectify the nonconformity, Alcatel-Lucent shall accept return of the Licensed Program and shall refund to Customer all amounts paid in respect thereof. This warranty is available only once in respect of each Licensed Program, and is not renewed by the payment of an extension charge or upgrade fee.

6.2 ALCATEL-LUCENT EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, REPRESENTATIONS, COVENANTS OR CONDITIONS OF ANY KIND, WHETHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, WARRANTIES OR REPRESENTATIONS OF WORKMANSHIP, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, DURABILITY, OR THAT THE OPERATION OF THE LICENSED PROGRAM WILL BE ERROR FREE OR THAT THE LICENSED PROGRAMS WILL NOT INFRINGE UPON ANY THIRD PARTY RIGHTS.

6.3 Alcatel-Lucent shall defend and indemnify Customer in any action to the extent that it is based on a claim that the Licensed Program furnished by Alcatel-Lucent infringes any patent, copyright, trade secret or other intellectual property right, provided that Customer notifies Alcatel-Lucent within ten (10) days of the existence of the claim, gives Alcatel-Lucent sole control of the litigation or settlement of the claim, and provides all such assistance as Alcatel-Lucent may reasonably require. Notwithstanding the foregoing, Alcatel-Lucent shall have no liability if the claim results from any modification or unauthorized use of the Licensed Program by Customer, and Customer shall defend and indemnify Alcatel-Lucent against any such claim.

6.4 Alcatel-Lucent Products are intended for standard commercial uses. Without the appropriate network design engineering, they must not be sold, licensed or otherwise distributed for use in any hazardous environments requiring fail safe performance, such as in the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control, direct life-support machines, or weapons systems, in which the failure of products could lead directly to death, personal injury, or severe physical or environmental damage. The Customer hereby agrees that the use, sale, license or other distribution of the Products for any such application without the prior written consent of Alcatel-Lucent, shall be at the Customer's sole risk. The Customer also agrees to defend and hold Alcatel-Lucent harmless from any claims for loss, cost, damage, expense or liability that may arise out of or in connection with the use, sale, license or other distribution of the Products in such applications.

7. LIMITATION OF LIABILITY

7.1 IN NO EVENT SHALL THE TOTAL COLLECTIVE LIABILITY OF ALCATEL-LUCENT, ITS EMPLOYEES, DIRECTORS, OFFICERS OR AGENTS FOR ANY CLAIM, REGARDLESS OF VALUE OR NATURE, EXCEED THE AMOUNT PAID UNDER THIS AGREEMENT FOR THE LICENSED PROGRAM THAT IS THE SUBJECT MATTER OF THE CLAIM. IN NO EVENT SHALL THE TOTAL COLLECTIVE LIABILITY OF ALCATEL-LUCENT, ITS EMPLOYEES, DIRECTORS, OFFICERS OR AGENTS FOR ALL CLAIMS EXCEED THE TOTAL AMOUNT PAID BY CUSTOMER TO ALCATEL-LUCENT HEREUNDER. NO PARTY SHALL BE LIABLE FOR ANY INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES, WHETHER OR NOT SUCH DAMAGES ARE FORESEEABLE, AND/OR THE PARTY HAD BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7.2 The foregoing provision limiting the liability of Alcatel-Lucent's employees, agents, officers and directors shall be deemed to be a trust provision, and shall be enforceable by such employees, agents, officers and directors as trust beneficiaries.

8. GENERAL

8.1   Under no circumstances shall either party be liable to the other for any failure to perform its obligations (other than the payment of any monies owing) where such failure results from causes beyond that party's reasonable control.

8.2   This Agreement constitutes the entire agreement between Alcatel-Lucent and Customer and supersedes all prior oral and written communications. All amendments shall be in writing and signed by authorized representatives of both parties.

8.3   If any provision of this Agreement is held to be invalid, illegal or unenforceable, it shall be severed and the remaining provisions shall continue in full force and effect.

8.4   The Licensed Program may contain freeware or shareware obtained by Alcatel-Lucent from a third party source. No license fee has been paid by Alcatel-Lucent for the inclusion of any such freeware or shareware, and no license fee is charged to Customer for its use. The Customer agrees to be bound by any license agreement for such freeware or shareware. CUSTOMER ACKNOWLEDGES AND AGREES THAT THE THIRD PARTY SOURCE PROVIDES NO WARRANTIES AND SHALL HAVE NO LIABILITY WHATSOEVER IN RESPECT OF CUSTOMER'S POSSESSION AND/OR USE OF THE FREEWARE OR SHAREWARE.

8.5   Alcatel-Lucent shall have the right, at its own expense and upon reasonable written notice to Customer, to periodically inspect Customer's premises and such documents as it may reasonably require, for the exclusive purpose of verifying Customer's compliance with its obligations under this Agreement.

8.6   All notices shall be sent to the parties at the addresses listed above, or to any such address as may be specified from time to time. Notices shall be deemed to have been received five days after deposit with a post office when sent by registered or certified mail, postage prepaid and receipt requested.

8.7   If the Licensed Program is being acquired by or on behalf of any unit or agency of the United States Government, the following provision shall apply: If the Licensed Program is supplied to the Department of Defense, it shall be classified as "Commercial Computer Software" and the United States Government is acquiring only "restricted rights" in the Licensed Program as defined in DFARS 227-7202-1(a) and 227.7202-3(a), or equivalent. If the Licensed Program is supplied to any other unit or agency of the United States Government, rights will be defined in Clause 52.227-19 or 52.227-14 of the FAR, or if acquired by NASA, Clause 18-52.227-86(d) of the NASA Supplement to the FAR, or equivalent. If the software was acquired under a contract subject to the October 1988 Rights in Technical Data and Computer Software regulations, use, duplication and disclosure by the Government is subject to the restrictions set forth in DFARS 252-227.7013(c)(1)(ii) 1988, or equivalent.

8.8   Customer shall comply with all export regulations pertaining to the Licensed Program in effect from time to time. Without limiting the generality of the foregoing, Customer expressly warrants that it will not directly or indirectly export, reexport, or transship the Licensed Program in violation of any export laws, rules or regulations of Canada, the United States or the United Kingdom.

8.9 No term or provision of this Agreement shall be deemed waived and no breach excused unless such waiver or consent is in writing and signed by the party claimed to have waived or consented. The waiver by either party of any right hereunder, or of the failure to perform or of a breach by the other party, shall not be deemed to be a waiver of any other right hereunder or of any other breach or failure by such other party, whether of a similar nature or otherwise.

8.10 This Agreement shall be governed by and construed in accordance with the laws of the Province of Ontario. The application of the United Nations Convention on Contracts for the International Sale of Goods is hereby expressly excluded.

Preface

The Preface provides general information about the 5620 Service Aware Manager documentation suite, including this guide.

Prerequisites

Readers of the 5620 SAM documentation suite are assumed to be familiar with the following:

- 5620 SAM software structure and components
- 5620 SAM GUI operations and tools
- typical 5620 SAM management tasks and procedures
- device and network management concepts

5620 SAM documentation suite

The 5620 SAM documentation suite describes the 5620 SAM and the associated network management of its supported devices. Contact your Alcatel-Lucent support representative for information about specific network or facility considerations.

Table 1 lists the documents in the 5620 SAM customer documentation suite.

Table 1 5620 SAM customer documentation suite

Guide	Description
5620 SAM core documentation	

(1 of 5)

Preface

Guide	Description
5620 SAM Alarm Reference	The *5620 SAM Alarm Reference* provides a description of all alarms supported on the 5620 SAM, including LTE and optical alarms, the raising and clearing conditions of each alarm, and the remedial action to fix the problem. The reference is organized by network element type.
5620 SAM Chronos SyncWatch Integration Guide	The *5620 SAM Chronos SyncWatch Integration Guide* provides procedures to allow the 5620 SAM to integrate with the Chronos SyncWatch Probe and NetSMART server. The guide also provides general information about synchronization management in a 5620 SAM-managed network.
5620 SAM Glossary	The *5620 SAM Glossary* defines terms and acronyms used in all of the 5620 SAM documentation.
5620 SAM Integration Guide	The *5620 SAM Integration Guide* provides procedures to allow the 5620 SAM to integrate with other Alcatel-Lucent products and third-party products.
5620 SAM Network Element Compatibility Guide	The *5620 SAM Network Element Compatibility Guide* provides release-specific information about the compatibility of managed devices in 5620 SAM releases. This document is updated regularly; always consult the latest version on OLCS as described in Documentation and resources on the web.
5620 SAM Parameter Guide	The *5620 SAM Parameter Guide* provides: • parameter descriptions that include value ranges and default values • parameter options and option descriptions • parameter and option dependencies • parameter mappings to the 5620 SAM-O XML equivalent property names Parameters specific to LTE network elements are covered in the *5620 SAM LTE Parameter Reference*. Parameters specific to 1830 PSS network elements are covered in the *5620 SAM Optical Parameter Reference*. The 5620 SAM online help system includes a Parameter Search Tool that allows you to look up parameters or 5620 SAM and 5650 CPAM forms. See the *5620 SAM User Guide* for more information about using the Parameter Search Tool.
5620 SAM Planning Guide	The *5620 SAM Planning Guide* provides information about 5620 SAM scalability and recommended hardware configurations.
5620 SAM Release Description	The *5620 SAM Release Description* provides information about the new features associated with a 5620 SAM software release.
5620 SAM Release Notice	The *5620 SAM Release Notice* provides important information about the software release, including outstanding issues and restrictions. This document is not shipped with the on-product customer documentation and must be obtained from OLCS as described in Documentation and resources on the web.
5620 SAM Scripts and Templates Developer Guide	The *5620 SAM Scripts and Templates Developer Guide* provides information that allows users to develop, manage, and run CLI-based or XML-based scripts or templates. The guide is intended for developers, skilled administrators, and operators who are expected to be familiar with the following: • CLI scripting, XML, and the Velocity engine • basic scripting or programming • 5620 SAM functions
5620 SAM Statistics Management Guide	The *5620 SAM Statistics Management Guide* provides information about how to configure performance and accounting statistics collection and how to view counters using the 5620 SAM. Network examples are included.

(2 of 5)

Guide	Description
5620 SAM System Administrator Guide	The *5620 SAM System Administrator Guide* provides information about the tasks performed by a user with a 5620 SAM admin role, including: • 5620 SAM security management tasks such as setting up all required user accounts and user groups • advanced configuration tasks such as configuring, maintaining, and administering the 5620 SAM operational environment • routine maintenance tasks to maintain the 5620 SAM hardware and system integrity and efficiencies
5620 SAM System Architecture Guide	The *5620 SAM System Architecture Guide* is intended for technology officers, network planners, and system administrators to increase their knowledge of the 5620 SAM software structure and components. It describes the system structure, software components, and interfaces of the 5620 SAM. In addition, 5620 SAM fault tolerance, security, and network management capabilities are discussed from an architectural perspective.

5620 SAM Troubleshooting Guide	The *5620 SAM Troubleshooting Guide* provides task-based procedures and user documentation to:
	• help resolve issues in the managed and management networks
	• identify the root cause and plan corrective action for:
	  • alarm conditions on a network object or customer service
	  • problems on customer services with no associated alarms
	• list problem scenarios, possible solutions, and tools to help check:
	  • network management LANs
	  • network management platforms and operating systems
	  • 5620 SAM client GUIs and client OSS applications
	  • 5620 SAM servers
	  • 5620 SAM databases

5620 SAM User Guide	The *5620 SAM User Guide* provides information about using the 5620 SAM to manage the service-aware IP/MPLS network, including GUI basics, service configuration, and policy management. The *5620 SAM User Guide* uses a task-based format that employs both high-level workflows and detailed procedures. 5620 SAM management information specific to LTE network elements is covered in the *5620 SAM LTE ePC User Guide* and *5620 SAM LTE RAN User Guide*. 5620 SAM management information specific to 1830 PSS network elements is covered in the *5620 SAM Optical User Guide*. 5620 SAM management information specific to 9500 MPR and 9500 MPRe devices is covered in the *5620 SAM MPR User Guide*.
5620 SAM | 5650 CPAM Installation and Upgrade Guide	The *5620 SAM | 5650 CPAM Installation and Upgrade Guide* provides OS considerations, configuration information, and procedures for the following: • installing, upgrading, and uninstalling 5620 SAM and 5650 CPAM software in standalone and redundant deployments • 5620 SAM system migration to a different system • conversion from a standalone to a redundant 5620 SAM system
5620 SAM MPR documentation	
5620 SAM MPR User Guide	The *5620 SAM MPR User Guide* describes how to discover, configure, and manage 9500 MPR and 9500 MPRe devices using the 5620 SAM. The guide is intended for network planners, administrators, and operators and is to be used in conjunction with other guides in the 5620 SAM documentation suite where management of 9500 MPR and 9500 MPRe devices does not differ from other network elements. Alcatel-Lucent recommends that you review the entire *5620 SAM MPR User Guide* before you attempt to use the 5620 SAM in your MPR network.
5620 SAM LTE documentation	
5620 SAM LTE Release Description	The *5620 SAM LTE Release Description* provides information about the LTE features associated with the release.

(3 of 5)

Preface

Guide	Description
5620 SAM LTE ePC User Guide	The *5620 SAM LTE ePC User Guide* describes how to discover, configure, and manage LTE ePC devices using the 5620 SAM. The guide is intended for LTE ePC network planners, administrators, and operators and is to be used in conjunction with other guides in the 5620 SAM documentation suite where management of ePC devices does not differ from other network elements. Alcatel-Lucent recommends that you review the entire *5620 SAM LTE ePC User Guide* before you attempt to use the 5620 SAM in your LTE network.
5620 SAM LTE OSS Interface Developer Guide	The *5620 SAM LTE OSS Interface Developer Guide* provides information about developing LTE OSS applications, including information about the 3GPP OSS interface components and architecture, understanding the 5620 SAM-O schema in the context of LTE, compliance with 3GPP standards, and typical operational scenarios.
5620 SAM LTE Parameter Reference	The *5620 SAM LTE Parameter Reference* provides a list of all LTE ePC and LTE RAN parameters supported in the 5620 SAM.
5620 SAM LTE RAN User Guide	The *5620 SAM LTE RAN User Guide* describes how to discover, configure, and manage the Evolved NodeB, or eNodeB, using the 5620 SAM. The guide is intended for LTE RAN network planners, administrators, and operators and is to be used in conjunction with other guides in the 5620 SAM documentation suite where management of RAN devices does not differ from other network elements. Alcatel-Lucent recommends that you review the entire *5620 SAM LTE RAN User Guide* before you attempt to use the 5620 SAM in your LTE network.
5620 SAM optical documentation	
5620 SAM Optical Parameter Reference	The *5620 SAM Optical Parameter Reference* provides a list of all optical device parameters supported in the 5620 SAM.
5620 SAM Optical User Guide	The *5620 SAM Optical User Guide* describes how to discover, configure, and manage optical devices using the 5620 SAM. The guide is intended for optical network planners, administrators, and operators and is to be used in conjunction with other guides in the 5620 SAM documentation suite where management of optical devices does not differ from other network elements. Alcatel-Lucent recommends that you review the entire *5620 SAM Optical User Guide* before you attempt to use the 5620 SAM in your optical network.
5620 SAM-O documentation	
5620 SAM XML OSS Interface Developer Guide	The *5620 SAM XML OSS Interface Developer Guide* provides information that allows you to: • use the 5620 SAM XML OSS interface to access network management information • learn about the information model associated with the managed network • develop OSS applications using the packaged methods, classes, data types, and objects necessary to manage 5620 SAM functions
5650 CPAM documentation	
5650 CPAM Release Description	The *5650 CPAM Release Description* provides information about the new features associated with a 5650 CPAM software release.
5650 CPAM Release Notice	The *5650 CPAM Release Notice* provides important information about the 5650 CPAM software release and corresponding 7701 CPAA software release, including outstanding issues and restrictions. This document is not shipped with the on-product documentation and must be obtained from OLCS as described in Documentation and resources on the web.
5650 CPAM User Guide	The *5650 CPAM User Guide* describes how to capture, inspect, visualize, and troubleshoot IGP and BGP topologies using the 5650 CPAM.
7701 CPAA Hardware Revision 2 Setup and Software Installation Instructions	The *7701 CPAA Hardware Revision 2 Setup and Software Installation Instructions* describes the hardware setup and software installation for the 7701 CPAA Hardware Revision 2, the route analyzer component of the 5650 CPAM.

(4 of 5)

Guide	Description
7701 CPAA Hardware Revision 1 Setup and Software Installation Instructions	The *7701 CPAA Hardware Revision 1 Setup and Software Installation Instructions* describes the hardware setup and software installation for the 7701 CPAA Hardware Revision 1, the route analyzer component of the 5650 CPAM.

(5 of 5)

Obtaining customer documentation

You can obtain 5620 SAM customer documentation:

- from the product
- on the web

On-product documentation

The 5620 SAM on-product customer documentation is delivered in HTML and PDF. Choose Help→User Documentation from the 5620 SAM client GUI to open the help system in a web browser. For best results, use Internet Explorer or Firefox.

The help system opens to the User Documentation Index, which provides a summary of and links to all 5620 SAM customer documents.

Click on the Using the help system tab on the User Documentation Index page to find usage tips for navigating and searching within the on-product customer documentation.

You can return to the User Documentation Index at any time by clicking on the Home icon, shown in Figure 1.

Figure 1 Home icon

Documentation and resources on the web

The 5620 SAM customer documentation is available for download in PDF format from the Alcatel-Lucent Customer Support Center: http://www.alcatel-lucent.com/myaccess. If you are a new user and require access to this service, please contact your Alcatel-Lucent support representative.

Release Notices and any other documents not delivered on-product are posted to this site.

5620 SAM product alerts

Product technical alerts are used to communicate important information to customers about released loads. You can view and subscribe to product alerts for the 5620 SAM from the Alcatel-Lucent Customer Support Center.

Working with PDFs

You can download PDFs of individual guides from the Alcatel-Lucent Customer Support Center, or you can choose to download a zip of all PDFs for a particular release.

You can use the Search function of Acrobat Reader (File→Search) to find a term in a PDF of any 5620 SAM document. To refine your search, use appropriate search options (for example, search for whole words only or enable case-sensitive searching). You can also search for a term in multiple PDFs at once, provided that they are located in the same directory. For more information, see the Help for Acrobat Reader.

> **Note —** Users of Mozilla browsers may receive an error message when opening the PDF files in the 5620 SAM documentation suite. The offline storage and default cache values used by the browsers are the cause of the error message.
>
> Alcatel-Lucent recommends changing the Mozilla Firefox offline storage or Mozilla 1.7 cache value to 100 Mbytes to eliminate the error message.

Documentation conventions

Table 2 lists the conventions that are used throughout the documentation.

Table 2 Documentation conventions

Convention	Description	Example
Key name	Press a keyboard key	Delete
Italics	Identifies a variable	*hostname*
Key+Key	Type the appropriate consecutive keystroke sequence	CTRL+G
Key-Key	Type the appropriate simultaneous keystroke sequence	CTRL–G
*	An asterisk is a wildcard character, which means "any character" in a search argument.	log_file*.txt
↵	Press the Return key	↵
—	An em dash indicates there is no information.	—
→	Indicates that a cascading submenu results from selecting a menu item	Policies→Alarm Policies

Procedures with options or substeps

When there are options in a procedure, they are identified by letters. When there are substeps in a procedure, they are identified by Roman numerals.

Example of options in a procedure

At step 1, you can choose option a or b. At step 2, you must do what the step indicates.

1   This step offers two options. You must choose one of the following.

    a   This is one option.

    b   This is another option.

2   You must perform this step.

Example of substeps in a procedure

At step 1, you must perform a series of substeps within a step. At step 2, you must do what the step indicates.

1   This step has a series of substeps that you must perform to complete the step. You must perform the following substeps.

    i   This is the first substep.

    ii   This is the second substep.

    iii   This is the third substep.

2   You must perform this step.

Measurement conventions

Measurements in this document are expressed in metric units and follow the Système international d'unités (SI) standard for abbreviation of metric units. If imperial measurements are included, they appear in brackets following the metric unit.

Table 3 lists the measurement symbols used in this document.

Table 3 Bits and bytes conventions

Measurement	Symbol
bit	b
byte	byte
kilobits per second	kb/s

Important information

The following conventions are used to indicate important information:

Warning — Warning indicates that the described activity or situation may, or will, cause equipment damage or serious performance problems.

Caution — Caution indicates that the described activity or situation may, or will, cause service interruption.

Note — Notes provide information that is, or may be, of special interest.

Contents

Preface   ix

1830 PSS overview

1 — 5620 SAM 1830 PSS Parameter Reference overview   1-1

1830 PSS parameters

Contents

1830 PSS miscellaneous parameters

1830 PSS overview

1 — **5620 SAM 1830 PSS Parameter Reference overview**

1 — 5620 SAM 1830 PSS Parameter Reference overview

1.1   *5620 SAM Optical Parameter Reference* overview

The *5620 SAM Optical Parameter Reference* describes the parameters of 1830 PSS devices and 1830 PSS-specific 5620 SAM functions. See the *5620 SAM Parameter Guide* for descriptions of non-1830 PSS parameters. See the following documentation for configuration information about the functionality that is not described in this guide:

*   *5620 SAM Optical User Guide*
*   *5620 SAM User Guide*

Audience

This parameter reference is intended for network planners, administrators, operators, and technical support staff using the 5620 SAM for 1830 PSS management.

5620 SAM Optical Parameter Reference structure

The *5620 SAM Optical Parameter Reference* lists the parameter classes by their GUI name in alphabetical order and displays properties in tabular form.

Parameter information

The *5620 SAM Optical Parameter Reference* describes the following aspects of 1830 PSS parameters (where applicable):

*   OSS property name
*   description
*   value type
*   default value
*   minimum and maximum values
*   tab and panel location in the 5620 SAM GUI
*   displayed name

Aspects that are not described for a property are not applicable.

Parameter Search Tool

The Parameter Search Tool is part of the online user documentation that is available under Help→User Documentation in the 5620 SAM client main menu. The tool contains searchable information about parameters and configuration forms. You can search using four different criteria:

*   Parameter GUI display name
*   Parameter XML name
*   Form GUI name

Search results contain information about forms and parameters, including applicable devices, restrictions, the defaults and ranges of parameters, and other information. The information is displayed in HTML format in a web browser. Dynamic links allow you to navigate the tool to access more information, such as parameter options (also called enumerations).

The Parameter Search Tool does not include information about some types of forms or parameters that are specific to the 5620 SAM, such as:

- User preferences
- System preferences
- OLC state
- Faults or Deployment tabs

1830 PSS parameters

99 — NetworkEgressForwardingClass

100 — Network Element

101 — NetworkIngressDot1p

102 — NetworkIngressForwardingClass

103 — NetworkIngressMeter

104 — Network Interface

105 — Network Interface

106 — Network Interface Facility Binding

107 — Network Time Protocol Authentication

108 — NE User

109 — NQueueEntry

110 — NTP NE Config

111 — NTP Server

112 — OCH Cross Connect

113 — OchCtp

114 — OCH Trail

115 — ODU1PTF

116 — ODU Cross Connect

117 — OduCtp

118 — OduCtpSubStructure

119 — ODUk Cross Connect

120 — OdukNimSubStructure

121 — ODUk Protection Group

122 — ODU NIM

123 — ODU NIM Point

124 — ODU Path Termination

125 — OduRxTCAProfileAssigner

207 — WSS Attenuation

2 — 1830 PSS Performance Management Policy

Table 2-1 1830 PSS Performance Management Policy parameters

Parameters	
Administrative State Description Displayed Name Password	Policy ID Protocol User ID

Table 2-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	snmp.AdminState
Default	Up
Tab|Panel	General|General
Description	Allows to start/stop performance management stats collection
Enumerated types	
Down	
Up	

2 — 1830 PSS Performance Management Policy

Table 2-3 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|General

Table 2-4 Displayed Name

Name	Value
Displayed name	Displayed Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 2-5 Password

Name	Value
Displayed name	Password
OSS name	password
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|FTP Settings

Table 2-6 Policy ID

Name	Value
Displayed name	Policy ID
OSS name	id
Type	INT

(1 of 2)

Name	Value
Minimum	1
Maximum	65535
Mandatory on creation	yes
Tab|Panel	General|General

(2 of 2)

Table 2-7 Protocol

Name	Value
Displayed name	Protocol
OSS name	transferProtocol
Type	opticsperf.TransferProtocol
Default	TFTP
Tab|Panel	General|General
Enumerated types	
SFTP	
TFTP	

Table 2-8 User ID

Name	Value
Displayed name	User ID
OSS name	userId
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|FTP Settings

3 — 7210 and 1830 Access Ingress Policy

Table 3-1 7210 and 1830 Access Ingress Policy parameters

Parameters	
Allow any IPV6 Match	MAC Match Criteria type
Configuration Mode	Match Criteria
Default FC	Number of QoS Classifiers
Description	Origin
Discovery State	Policy Scope
Displayed Name	Profile
Distribution Mode	Profile
ID	Scope
IP Match Criteria type	Site ID
IPV6 Match Criteria type	Site Name

Table 3-2 Allow any IPV6 Match

Name	Value
Displayed name	Allow any IPV6 Match
OSS name	enableIpv6Classification
Type	generic.TruthValue
Tab|Panel	General|Match Type

Table 3-3 Configuration Mode

Name	Value
Displayed name	Configuration Mode
OSS name	configurationMode
Type	sasqos.ConfigurationMode
Default	draft
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 3-4 Default FC

Name	Value
Displayed name	Default FC
OSS name	defaultFc
Type	qos.FcEnum
Tab|Panel	General|Default Forwarding Class

Table 3-5 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 3-6 Discovery State

Name	Value
Displayed name	Discovery State
OSS name	discoveryState
Type	sasqos.DiscoveryState
Default	notApplicable
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to "inProgress" if the global policy is created as the part of the specific NE resync during the full node resync or node discovery. At the end of full node resync, if the resync is successful, the global policy is completely updated from first discovered local policy and its discoveryState is set to "completed". Otherwise, the global policy isn't updated and its discoveryState is set to "failed". For "failed" global policy, it will be updated by next successful full node resync or synchronized from the specific local policy. Set to "initialized" if the global policy is created by snmp trap notification. User may need to synchronize the global policy manually with the specific local policy. Set to "N/A" if the global policy is created or modified by SAM user.

(2 of 2)

Table 3-7 Displayed Name

Name	Value
Displayed name	Displayed Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 3-8 Distribution Mode

Name	Value
Displayed name	Distribution Mode
OSS name	distributionMode
Type	sasqos.DistributionMode
Default	syncWithGlobal
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 3-9 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	0

(1 of 2)

Name	Value
Maximum	4294967295
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

(2 of 2)

Table 3-10 IP Match Criteria type

Name	Value
Displayed name	IP Match Criteria type
OSS name	ipMatchCriteriaType
Type	sasqos.IPMatchType
Default	DSCP only
Tab|Panel	General|Match Type
Enumerated types	
Any	
DSCP only	

Table 3-11 IPV6 Match Criteria type

Name	Value
Displayed name	IPV6 Match Criteria type
OSS name	ipv6MatchCriteriaType
Type	sasqos.IPMatchType
Default	DSCP only
Tab|Panel	General|Match Type
Enumerated types	
Any	
DSCP only	

Table 3-12 MAC Match Criteria type

Name	Value
Displayed name	MAC Match Criteria type
OSS name	macMatchCriteriaType
Type	sasqos.MacMatchType

(1 of 2)

Name	Value
Default	Any
Tab|Panel	General|Match Type
Enumerated types	
Any	
Dot1p only	

(2 of 2)

Table 3-13 Match Criteria

Name	Value
Displayed name	Match Criteria
OSS name	matchCriteria
Type	qos.FilterMatchCriteria
Tab|Panel	General|General

Table 3-14 Number of QoS Classifiers

Name	Value
Displayed name	Number of QoS Classifiers
OSS name	numQosClassifiers
Type	INT
Minimum	2
Maximum	256
Default	16
Tab|Panel	General|General

Table 3-15 Origin

Name	Value
Displayed name	Origin
OSS name	origin
Type	STRING
Maximum	50
Default	N/A
Read-only	yes
Tab|Panel	General|Policy Configuration

(1 of 2)

Name	Value
Description	Only applicable to the global policy. Set to the siteId if the policy is created as the part of the specific NE resync or by snmp notification. Set to user name if the policy is created by SAM user.

(2 of 2)

Table 3-16 Policy Scope

Name	Value
Displayed name	Policy Scope
OSS name	isLocal
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 3-17 Profile

Name	Value
Displayed name	Profile
OSS name	defaultFcProfile
Type	qos.Profile
Tab|Panel	General|Match Type

Table 3-18 Profile

Name	Value
Displayed name	Profile
OSS name	defaultFcProfile
Type	qos.Profile
Tab|Panel	General|Default Forwarding Class

Table 3-19 Scope

Name	Value
Displayed name	Scope
OSS name	scope

(1 of 2)

Name	Value
Type	acl.ItemScope
Tab|Panel	General|General

(2 of 2)

Table 3-20 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 3-21 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

4 — 7210 and 1830 Netwerk Queue

Table 4-1 7210 and 1830 Netwerk Queue parameters

Parameters	
Configuration Mode	Origin
Description	Policy Scope
Discovery State	Site ID
Displayed Name	Site Name
Distribution Mode	

Table 4-2 Configuration Mode

Name	Value
Displayed name	Configuration Mode
OSS name	configurationMode
Type	sasqos.ConfigurationMode
Default	draft
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 4-3 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 4-4 Discovery State

Name	Value
Displayed name	Discovery State
OSS name	discoveryState
Type	sasqos.DiscoveryState
Default	notApplicable
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to "inProgress" if the global policy is created as the part of the specific NE resync during the full node resync or node discovery. At the end of full node resync, if the resync is successful, the global policy is completely updated from first discovered local policy and its discoveryState is set to "completed". Otherwise, the global policy isn't updated and its discoveryState is set to "failed". For "failed" global policy, it will be updated by next successful full node resync or synchronized from the specific local policy. Set to "initialized" if the global policy is created by snmp trap notification. User may need to synchronize the global policy manually with the specific local policy. Set to "N/A" if the global policy is created or modified by SAM user.

Table 4-5 Displayed Name

Name	Value
Displayed name	Displayed Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Mandatory on creation	yes
Tab|Panel	General|General

Table 4-6 Distribution Mode

Name	Value
Displayed name	Distribution Mode
OSS name	distributionMode
Type	sasqos.DistributionMode
Default	syncWithGlobal
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 4-7 Origin

Name	Value
Displayed name	Origin
OSS name	origin
Type	STRING
Maximum	50
Default	N/A
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to the siteId if the policy is created as the part of the specific NE resync or by snmp notification. Set to user name if the policy is created by SAM user.

Table 4-8 Policy Scope

Name	Value
Displayed name	Policy Scope
OSS name	isLocal
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 4-9 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 4-10 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

5 — 7210 and 1830 Network Policy

Table 5-1 7210 and 1830 Network Policy parameters

Parameters	
Configuration Mode	Origin
Default FC	Policy Id
Default FC Profile	Policy Scope
Description	Remarking
Discovery State	Remarking Policy
Displayed Name	Scope
Distribution Mode	Site ID
MPLS LSP-EXP Profile	Site Name
Nw Mgr ID	Type

Table 5-2 Configuration Mode

Name	Value
Displayed name	Configuration Mode
OSS name	configurationMode
Type	sasqos.ConfigurationMode
Default	draft
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 5-3 Default FC

Name	Value
Displayed name	Default FC
OSS name	defaultFc
Type	qos.FcEnum
Tab|Panel	General|Ingress

Table 5-4 Default FC Profile

Name	Value
Displayed name	Default FC Profile
OSS name	defaultProfile
Type	qos.Profile
Tab|Panel	General|Ingress

Table 5-5 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 5-6 Discovery State

Name	Value
Displayed name	Discovery State
OSS name	discoveryState
Type	sasqos.DiscoveryState
Default	notApplicable
Read-only	yes
Tab|Panel	General|Policy Configuration

(1 of 2)

Name	Value
Description	Only applicable to the global policy. Set to "inProgress" if the global policy is created as the part of the specific NE resync during the full node resync or node discovery. At the end of full node resync, if the resync is successful, the global policy is completely updated from first discovered local policy and its discoveryState is set to "completed". Otherwise, the global policy isn't updated and its discoveryState is set to "failed". For "failed" global policy, it will be updated by next successful full node resync or synchronized from the specific local policy. Set to "initialized" if the global policy is created by snmp trap notification. User may need to synchronize the global policy manually with the specific local policy. Set to "N/A" if the global policy is created or modified by SAM user.

(2 of 2)

Table 5-7 Displayed Name

Name	Value
Displayed name	Displayed Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 5-8 Distribution Mode

Name	Value
Displayed name	Distribution Mode
OSS name	distributionMode
Type	sasqos.DistributionMode
Default	syncWithGlobal
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 5-9 MPLS LSP-EXP Profile

Name	Value
Displayed name	MPLS LSP-EXP Profile
OSS name	mplsLspExpMapPointer
Type	POINTER
Default	sasMplsLspExpMap:1
Tab|Panel	General|Ingress

Table 5-10 Nw Mgr ID

Name	Value
Displayed name	Nw Mgr ID
OSS name	id
Type	LONG
Minimum	0
Maximum	4294967295
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 5-11 Origin

Name	Value
Displayed name	Origin
OSS name	origin
Type	STRING
Maximum	50
Default	N/A
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to the siteId if the policy is created as the part of the specific NE resync or by snmp notification. Set to user name if the policy is created by SAM user.

Table 5-12 Policy Id

Name	Value
Displayed name	Policy Id
OSS name	nwPolicyId
Type	LONG
Minimum	1
Maximum	65535
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 5-13 Policy Scope

Name	Value
Displayed name	Policy Scope
OSS name	isLocal
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 5-14 Remarking

Name	Value
Displayed name	Remarking
OSS name	egressRemark
Type	generic.TruthValue
Tab|Panel	General|Egress

Table 5-15 Remarking Policy

Name	Value
Displayed name	Remarking Policy
OSS name	remarkPolicyPointer
Type	POINTER
Default	sasRemarkingPolicy:1
Tab|Panel	General|Egress

Table 5-16 Scope

Name	Value
Displayed name	Scope
OSS name	scope
Type	acl.ItemScope
Tab|Panel	General|General

Table 5-17 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 5-18 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 5-19 Type

Name	Value
Displayed name	Type
OSS name	nwPolicyType
Type	sasqos.NetworkPolicyType
Default	Port
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
Network Interface	
Port	

6 — 7210 and 1830 Port Access Egress Policy

Table 6-1 7210 and 1830 Port Access Egress Policy parameters

Parameters	
Configuration Mode	Origin
Description	Policy Scope
Discovery State	Remarking Policy
Displayed Name	Remarking Type
Distribution Mode	Scope
Egress Remark	Site ID
ID	Site Name

Table 6-2 Configuration Mode

Name	Value
Displayed name	Configuration Mode
OSS name	configurationMode
Type	sasqos.ConfigurationMode
Default	draft
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 6-3 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 6-4 Discovery State

Name	Value
Displayed name	Discovery State
OSS name	discoveryState
Type	sasqos.DiscoveryState
Default	notApplicable
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to "inProgress" if the global policy is created as the part of the specific NE resync during the full node resync or node discovery. At the end of full node resync, if the resync is successful, the global policy is completely updated from first discovered local policy and its discoveryState is set to "completed". Otherwise, the global policy isn't updated and its discoveryState is set to "failed". For "failed" global policy, it will be updated by next successful full node resync or synchronized from the specific local policy. Set to "initialized" if the global policy is created by snmp trap notification. User may need to synchronize the global policy manually with the specific local policy. Set to "N/A" if the global policy is created or modified by SAM user.

Table 6-5 Displayed Name

Name	Value
Displayed name	Displayed Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 6-6 Distribution Mode

Name	Value
Displayed name	Distribution Mode
OSS name	distributionMode
Type	sasqos.DistributionMode
Default	syncWithGlobal
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 6-7 Egress Remark

Name	Value
Displayed name	Egress Remark
OSS name	egressRemark
Type	generic.TruthValue
Tab|Panel	General|General

Table 6-8 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	0
Maximum	4294967295
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 6-9 Origin

Name	Value
Displayed name	Origin
OSS name	origin
Type	STRING

(1 of 2)

Name	Value
Maximum	50
Default	N/A
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to the siteId if the policy is created as the part of the specific NE resync or by snmp notification. Set to user name if the policy is created by SAM user.

(2 of 2)

Table 6-10 Policy Scope

Name	Value
Displayed name	Policy Scope
OSS name	isLocal
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 6-11 Remarking Policy

Name	Value
Displayed name	Remarking Policy
OSS name	remarkPolicyPointer
Type	POINTER
Default	sasRemarkingPolicy:2
Tab|Panel	General|General

Table 6-12 Remarking Type

Name	Value
Displayed name	Remarking Type
OSS name	remarkingType
Type	sasqos.RemarkingType
Default	use-dot1p
Tab|Panel	General|General
Enumerated types	

(1 of 2)

Name	Value
all	
use-dot1p	
use-dscp	

(2 of 2)

Table 6-13 Scope

Name	Value
Displayed name	Scope
OSS name	scope
Type	acl.ItemScope
Tab|Panel	General|General

Table 6-14 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 6-15 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

7 — 7210 and 1830 Port Scheduler Policy

Table 7-1 7210 and 1830 Port Scheduler Policy parameters

Parameters	
Configuration Mode	Site Name
Description	Weight
Discovery State	Weight
Displayed Name	Weight
Distribution Mode	Weight
Mode	Weight
Origin	Weight
Policy Scope	Weight
Site ID	Weight

Table 7-2 Configuration Mode

Name	Value
Displayed name	Configuration Mode
OSS name	configurationMode
Type	sasqos.ConfigurationMode
Default	draft
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 7-3 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 7-4 Discovery State

Name	Value
Displayed name	Discovery State
OSS name	discoveryState
Type	sasqos.DiscoveryState
Default	notApplicable
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to "inProgress" if the global policy is created as the part of the specific NE resync during the full node resync or node discovery. At the end of full node resync, if the resync is successful, the global policy is completely updated from first discovered local policy and its discoveryState is set to "completed". Otherwise, the global policy isn't updated and its discoveryState is set to "failed". For "failed" global policy, it will be updated by next successful full node resync or synchronized from the specific local policy. Set to "initialized" if the global policy is created by snmp trap notification. User may need to synchronize the global policy manually with the specific local policy. Set to "N/A" if the global policy is created or modified by SAM user.

Table 7-5 Displayed Name

Name	Value
Displayed name	Displayed Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Mandatory on creation	yes
Tab|Panel	General|General

Table 7-6 Distribution Mode

Name	Value
Displayed name	Distribution Mode
OSS name	distributionMode
Type	sasqos.DistributionMode
Default	syncWithGlobal
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 7-7 Mode

Name	Value
Displayed name	Mode
OSS name	mode
Type	sasqos.PortSchedulerMode
Default	Strict
Tab|Panel	General|Mode
Description	Specifies the mode of this port scheduler
Enumerated types	
Strict	
RoundRobin	
WeightedDeficitRoundRobin	
WeightedRoundRobin	

Table 7-8 Origin

Name	Value
Displayed name	Origin
OSS name	origin
Type	STRING
Maximum	50
Default	N/A
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to the siteId if the policy is created as the part of the specific NE resync or by snmp notification. Set to user name if the policy is created by SAM user.

Table 7-9 Policy Scope

Name	Value
Displayed name	Policy Scope
OSS name	isLocal
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 7-10 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 7-11 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 7-12 Weight

Name	Value
Displayed name	Weight
OSS name	queue1Weight

(1 of 2)

Name	Value
Type	INT
Minimum	0
Maximum	15
Default	1
Tab|Panel	Queues|Queue 1
Description	Specifies the weight for Queue 1 of this port scheduler

(2 of 2)

Table 7-13 Weight

Name	Value
Displayed name	Weight
OSS name	queue2Weight
Type	INT
Minimum	0
Maximum	15
Default	1
Tab|Panel	Queues|Queue 2
Description	Specifies the weight for Queue 2 of this port scheduler

Table 7-14 Weight

Name	Value
Displayed name	Weight
OSS name	queue3Weight
Type	INT
Minimum	0
Maximum	15
Default	1
Tab|Panel	Queues|Queue 3
Description	Specifies the weight for Queue 3 of this port scheduler

Table 7-15 Weight

Name	Value
Displayed name	Weight

(1 of 2)

Name	Value
OSS name	queue4Weight
Type	INT
Minimum	0
Maximum	15
Default	1
Tab|Panel	Queues|Queue 4
Description	Specifies the weight for Queue 4 of this port scheduler

(2 of 2)

Table 7-16 Weight

Name	Value
Displayed name	Weight
OSS name	queue5Weight
Type	INT
Minimum	0
Maximum	15
Default	1
Tab|Panel	Queues|Queue 5
Description	Specifies the weight for Queue 5 of this port scheduler

Table 7-17 Weight

Name	Value
Displayed name	Weight
OSS name	queue6Weight
Type	INT
Minimum	0
Maximum	15
Default	1
Tab|Panel	Queues|Queue 6
Description	Specifies the weight for Queue 6 of this port scheduler

Table 7-18 Weight

Name	Value
Displayed name	Weight
OSS name	queue7Weight
Type	INT
Minimum	0
Maximum	15
Default	1
Tab|Panel	Queues|Queue 7
Description	Specifies the weight for Queue 7 of this port scheduler

Table 7-19 Weight

Name	Value
Displayed name	Weight
OSS name	queue8Weight
Type	INT
Minimum	0
Maximum	15
Default	1
Tab|Panel	Queues|Queue 8
Description	Specifies the weight for Queue 8 of this port scheduler

8 — 7210 and 1830 WRED Slope Policy

Table 8-1 7210 and 1830 WRED Slope Policy parameters

Parameters	
Configuration Mode	Origin
Description	Policy Scope
Discovery State	Site ID
Displayed Name	Site Name
Distribution Mode	

Table 8-2 Configuration Mode

Name	Value
Displayed name	Configuration Mode
OSS name	configurationMode
Type	sasqos.ConfigurationMode
Default	draft
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 8-3 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 8-4 Discovery State

Name	Value
Displayed name	Discovery State
OSS name	discoveryState
Type	sasqos.DiscoveryState
Default	notApplicable
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to "inProgress" if the global policy is created as the part of the specific NE resync during the full node resync or node discovery. At the end of full node resync, if the resync is successful, the global policy is completely updated from first discovered local policy and its discoveryState is set to "completed". Otherwise, the global policy isn't updated and its discoveryState is set to "failed". For "failed" global policy, it will be updated by next successful full node resync or synchronized from the specific local policy. Set to "initialized" if the global policy is created by snmp trap notification. User may need to synchronize the global policy manually with the specific local policy. Set to "N/A" if the global policy is created or modified by SAM user.

Table 8-5 Displayed Name

Name	Value
Displayed name	Displayed Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Mandatory on creation	yes
Tab|Panel	General|General

Table 8-6 Distribution Mode

Name	Value
Displayed name	Distribution Mode
OSS name	distributionMode
Type	sasqos.DistributionMode
Default	syncWithGlobal
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 8-7 Origin

Name	Value
Displayed name	Origin
OSS name	origin
Type	STRING
Maximum	50
Default	N/A
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to the siteId if the policy is created as the part of the specific NE resync or by snmp notification. Set to user name if the policy is created by SAM user.

Table 8-8 Policy Scope

Name	Value
Displayed name	Policy Scope
OSS name	isLocal
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 8-9 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 8-10 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

9 — AccessIngressForwardingClass

Table 9-1 AccessIngressForwardingClass parameters

Parameters	
Broadcast Meter ID	Multicast Meter ID
Forwarding Class	Queue ID
Meter ID	Unknown Meter ID

Table 9-2 Broadcast Meter ID

Name	Value
Displayed name	Broadcast Meter ID
OSS name	broadcastMeterId
Type	LONG
Minimum	0
Maximum	32
Default	0
Tab|Panel	General|Meter

Table 9-3 Forwarding Class

Name	Value
Displayed name	Forwarding Class

(1 of 2)

Alcatel-Lucent 5620 Service Aware Manager 9-1
5620 SAM
Optical Parameter Reference

Name	Value
OSS name	forwardingClass
Type	qos.FcEnum
Mandatory on creation	yes
Tab|Panel	General|General

(2 of 2)

Table 9-4 Meter ID

Name	Value
Displayed name	Meter ID
OSS name	meterId
Type	LONG
Minimum	0
Maximum	32
Default	0
Tab|Panel	General|Meter

Table 9-5 Multicast Meter ID

Name	Value
Displayed name	Multicast Meter ID
OSS name	multicastMeterId
Type	LONG
Minimum	0
Maximum	32
Default	0
Tab|Panel	General|Meter

Table 9-6 Queue ID

Name	Value
Displayed name	Queue ID
OSS name	queueId
Type	LONG
Minimum	0
Maximum	8

(1 of 2)

Name	Value
Default	0
Tab|Panel	General|Queue

(2 of 2)

Table 9-7 Unknown Meter ID

Name	Value
Displayed name	Unknown Meter ID
OSS name	unknownMeterId
Type	LONG
Minimum	0
Maximum	32
Default	0
Tab|Panel	General|Meter

10 — ACL Filter

Table 10-1 ACL Filter parameters

Parameters	
Configuration Mode	Packet Match Count
Discovery State	Policy Scope
Distribution Mode	Site ID
Filter Name	Site Name
Origin	System Default

Table 10-2 Configuration Mode

Name	Value
Displayed name	Configuration Mode
OSS name	configurationMode
Type	opticalacl.ConfigurationMode
Default	draft
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 10-3 Discovery State

Name	Value
Displayed name	Discovery State
OSS name	discoveryState
Type	opticalacl.DiscoveryState
Default	notApplicable
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to "inProgress" if the global policy is created as the part of the specific NE resync during the full node resync or node discovery. At the end of full node resync, if the resync is successful, the global policy is completely updated from first discovered local policy and its discoveryState is set to "completed". Otherwise, the global policy isn't updated and its discoveryState is set to "failed". For "failed" global policy, it will be updated by next successful full node resync or synchronized from the specific local policy. Set to "initialized" if the global policy is created by snmp trap notification. User may need to synchronize the global policy manually with the specific local policy. Set to "N/A" if the global policy is created or modified by SAM user.

Table 10-4 Distribution Mode

Name	Value
Displayed name	Distribution Mode
OSS name	distributionMode
Type	opticalacl.DistributionMode
Default	syncWithGlobal
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 10-5 Filter Name

Name	Value
Displayed name	Filter Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Mandatory on creation	yes
Tab|Panel	General|General

Table 10-6 Origin

Name	Value
Displayed name	Origin
OSS name	origin
Type	STRING
Maximum	50
Default	N/A
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to the siteId if the policy is created as the part of the specific NE resync or by snmp notification. Set to user name if the policy is created by SAM user.

Table 10-7 Packet Match Count

Name	Value
Displayed name	Packet Match Count
OSS name	packetMatchCount
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General
Description	Packet match counter.

Table 10-8 Policy Scope

Name	Value
Displayed name	Policy Scope
OSS name	isLocal
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 10-9 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 10-10 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 10-11 System Default

Name	Value
Displayed name	System Default
OSS name	systemDefault
Type	opticalacl.YesNo
Default	No
Read-only	yes
Tab|Panel	General|General
Description	Indicates if ACL filter is added by the system or a user. Valid values are: yes - ACL filter is added by the system. no - ACL filter is added by the user. It is not allowed modify of any attributes when System Default = yes.
Enumerated types	
No	
Yes	

11 — ACL MAC Filter

Table 11-1 ACL MAC Filter parameters

Parameters	
Application	Location
Configuration Mode	Low WaterMark
Credit Control	Low Watermark
Credit Control Count	MAC Filter Type
Credit Control Start Entry	NE Filter Name
Default Action	Number of Host Shared Filters
Description	Origin
Discovery State	Policy Scope
Distribution Mode	Policy Type
Filter ID	RADIUS
Filter Name	RADIUS Count
Filter Type	RADIUS Start Entry
High WaterMark	Result
High Watermark	Scope
Host Shared	Site ID
Host Shared Count	Site Name
Host Shared Start Entry	

Table 11-2 Application

Name	Value
Displayed name	Application
OSS name	groupEntriesApplication

(1 of 2)

Name	Value
Type	aclfilter.ApplicationType
Default	CreditControl
Tab|Panel	Insertion Blocks|Group Entry Insertion Sorting
Description	The value specifies for which application the inserted entries must be grouped.
Enumerated types	
BGP Flowspec	
CreditControl	
Normal	
RADIUS	
Host Shared RADIUS	

(2 of 2)

Table 11-3 Configuration Mode

Name	Value
Displayed name	Configuration Mode
OSS name	configurationMode
Type	aclfilter.ConfigurationMode
Default	draft
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 11-4 Credit Control

Name	Value
Displayed name	Credit Control
OSS name	creditControlInsertion
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Insertion Blocks|Group Entries Inserted
Description	The value indicates how many filter entries are currently inserted in the filter on request the credit control application.

Table 11-5 Credit Control Count

Name	Value
Displayed name	Credit Control Count
OSS name	creditControlCount
Type	LONG
Minimum	0
Maximum	65535
Default	0
Tab|Panel	Insertion Blocks|Group Entry Insertion Configuration
Description	The value specifies how many filter entries received from Credit Control can be inserted in the filter. If creditControlStartEntry is set to 0, then this object will be put to 0 as well. Any change attempts will be silently discarded in this case.

Table 11-6 Credit Control Start Entry

Name	Value
Displayed name	Credit Control Start Entry
OSS name	creditControlStartEntry
Type	LONG
Minimum	0
Maximum	65535
Default	0
Tab|Panel	Insertion Blocks|Group Entry Insertion Configuration
Description	The value specifies at what place the filter entries received from Credit Control for a particular subscriber host will be inserted in the filter. No regular entries, nor Radius provided entries can be configured in this range.

Table 11-7 Default Action

Name	Value
Displayed name	Default Action
OSS name	defaultAction
Type	acl.FilterAction
Tab|Panel	General|General

Table 11-8 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 11-9 Discovery State

Name	Value
Displayed name	Discovery State
OSS name	discoveryState
Type	aclfilter.DiscoveryState
Default	notApplicable
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to "inProgress" if the global policy is created as the part of the specific NE resync during the full node resync or node discovery. At the end of full node resync, if the resync is successful, the global policy is completely updated from first discovered local policy and its discoveryState is set to "completed". Otherwise, the global policy isn't updated and its discoveryState is set to "failed". For "failed" global policy, it will be updated by next successful full node resync or synchronized from the specific local policy. Set to "initialized" if the global policy is created by snmp trap notification. User may need to synchronize the global policy manually with the specific local policy. Set to "N/A" if the global policy is created or modified by SAM user.

Table 11-10 Distribution Mode

Name	Value
Displayed name	Distribution Mode
OSS name	distributionMode
Type	aclfilter.DistributionMode
Default	syncWithGlobal
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 11-11 Filter ID

Name	Value
Displayed name	Filter ID
OSS name	id
Type	LONG
Minimum	0
Maximum	4294967295
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 11-12 Filter Name

Name	Value
Displayed name	Filter Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 11-13 Filter Type

Name	Value
Displayed name	Filter Type
OSS name	filterType
Type	acl.FilterType
Default	None
Read-only	yes
Tab|Panel	General|General
Enumerated types	
IP	
IPv6	
MAC	
None	
VLAN	

Table 11-14 High WaterMark

Name	Value
Displayed name	High WaterMark
OSS name	highWaterMark
Type	INT
Minimum	0
Maximum	100
Default	95
Units	%
Tab|Panel	Insertion Blocks|Group Entry Insertion Configuration
Description	The value specifies the utilization of the filter ranges for filter entry insertion, at which a table full alarm will be raised.

Table 11-15 High Watermark

Name	Value
Displayed name	High Watermark
OSS name	hostSharedHighWmark
Type	INT
Minimum	-1
Maximum	8000
Default	-1
Tab|Panel	Insertion Blocks|Host Shared Filter Configuration
Description	The value specifies the number of Radius Shared Filters that can be dynamically created before an high water-mark alarm will be raised.

Table 11-16 Host Shared

Name	Value
Displayed name	Host Shared
OSS name	hostSharedInsertion
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Insertion Blocks|Group Entries Inserted
Description	The value indicates how many host common filter entries are currently inserted in the filter on request of Radius.

Table 11-17 Host Shared Count

Name	Value
Displayed name	Host Shared Count
OSS name	hostSharedCount
Type	LONG
Minimum	0
Maximum	65535
Default	0
Tab|Panel	Insertion Blocks|Group Entry Insertion Configuration
Description	The value specifies how many host common filter entries received from Radius for subscriber hosts can be inserted in the filter. If tIPFilterHostSharedInsertPt is set to 0, then this object will be put to 0 as well. Any change attempts will be silently discarded in this case.

Table 11-18 Host Shared Start Entry

Name	Value
Displayed name	Host Shared Start Entry
OSS name	hostSharedStartEntry
Type	LONG
Minimum	0
Maximum	65535
Default	0
Tab|Panel	Insertion Blocks|Group Entry Insertion Configuration
Description	The value specifies at what place the filter entries received from Radius that are shared between several hosts (host common rules) will be inserted in the filter. The area defined here will be dedicated to those entries, no other entries will be allowed. The value 0 means that no Radius provided host common filter entries can be inserted in the filter. If tIPFilterHostSharedInsertSize is set to 0, then this object will be put to 0 as well. Any change attempts will be silently discarded in this case.

Table 11-19 Location

Name	Value
Displayed name	Location
OSS name	groupEntriesLocation
Type	INT
Default	top
Tab|Panel	Insertion Blocks|Group Entry Insertion Sorting

(1 of 2)

Name	Value
Description	The value specifies at what location the inserted entries must be grouped.

(2 of 2)

Table 11-20 Low WaterMark

Name	Value
Displayed name	Low WaterMark
OSS name	lowWaterMark
Type	INT
Minimum	0
Maximum	100
Default	90
Units	%
Tab|Panel	Insertion Blocks|Group Entry Insertion Configuration
Description	The value specifies the utilization of the filter ranges for filter entry insertion, at which a table full alarm will be cleared.

Table 11-21 Low Watermark

Name	Value
Displayed name	Low Watermark
OSS name	hostSharedLowWmark
Type	INT
Minimum	-1
Maximum	8000
Default	-1
Tab|Panel	Insertion Blocks|Host Shared Filter Configuration
Description	The value specifies the number of Radius Shared Filters that are still dynamically created before an high water-mark notification is cleared by the system.

Table 11-22 MAC Filter Type

Name	Value
Displayed name	MAC Filter Type
OSS name	macFilterType
Type	aclfilter.MacFilterType
Default	Normal

(1 of 2)

Name	Value
Tab|Panel	General|General
Description	Specifies which type of entries this MAC Filter can contain. If set to 'isid' the only accepted match criteria for the MAC Filter entries are isidLow and isidHigh. If set to 'normal', all match criteria except isidLow and isidHigh are accepted. Can only be changed if the filter is not applied and has no entries.
Enumerated types	
ISID	
Normal	
VID	

(2 of 2)

Table 11-23 NE Filter Name

Name	Value
Displayed name	NE Filter Name
OSS name	filterName
Type	STRING
Minimum	0
Maximum	64
Tab|Panel	General|General
Description	Specifies the filter name set on the node.

Table 11-24 Number of Host Shared Filters

Name	Value
Displayed name	Number of Host Shared Filters
OSS name	hostSharedFilterCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	Insertion Blocks|Host Shared Filter
Description	The value indicates the number of Radius Shared Filters are currently created based on this filter.

Table 11-25 Origin

Name	Value
Displayed name	Origin
OSS name	origin
Type	STRING
Maximum	50
Default	N/A
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to the siteId if the policy is created as the part of the specific NE resync or by snmp notification. Set to user name if the policy is created by SAM user.

Table 11-26 Policy Scope

Name	Value
Displayed name	Policy Scope
OSS name	isLocal
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 11-27 Policy Type

Name	Value
Displayed name	Policy Type
OSS name	policyType
Type	aclfilter.PolicyType
Default	unspecified
Read-only	yes
Tab|Panel	General|General

Table 11-28 RADIUS

Name	Value
Displayed name	RADIUS
OSS name	radiusInsertion
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Insertion Blocks|Group Entries Inserted
Description	The value indicates how many filter entries are currently inserted in the filter on request the RADIUS application.

Table 11-29 RADIUS Count

Name	Value
Displayed name	RADIUS Count
OSS name	radiusCount
Type	LONG
Minimum	0
Maximum	65535
Default	0
Tab|Panel	Insertion Blocks|Group Entry Insertion Configuration
Description	The value specifies how many filter entries received from Radius for subscriber hosts can be inserted in the filter. If radiusStartEntry is set to 0, then this object will be put to 0 as well. Any change attempts will be silently discarded in this case.

Table 11-30 RADIUS Start Entry

Name	Value
Displayed name	RADIUS Start Entry
OSS name	radiusStartEntry
Type	LONG
Minimum	0
Maximum	65535
Default	0
Tab|Panel	Insertion Blocks|Group Entry Insertion Configuration

(1 of 2)

Name	Value
Description	The value specifies at what place the filter entries received from Radius will be inserted in the filter. No regular entries, nor Credit Control provided entries can be configured in this range. The value 0 means that no Radius provided filter entries can be inserted in the filter. If radiusCount is set to 0, then this object will be put to 0 as well. Any change attempts will be silently discarded in this case.

(2 of 2)

Table 11-31 Result

Name	Value
Displayed name	Result
OSS name	groupEntriesResult
Type	INT
Default	none
Read-only	yes
Tab|Panel	Insertion Blocks|Group Entry Insertion Sorting
Description	The value indicates the success or failure of the last requested grouping request on inserted entries.

Table 11-32 Scope

Name	Value
Displayed name	Scope
OSS name	scope
Type	policy.ItemScope
Tab|Panel	General|General

Table 11-33 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 11-34 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

12 — ACLManagement

Table 12-1 ACLManagement parameters

Parameters	
ACL Configuration via SNMP Enabled Receive Action	Transmit Action

Table 12-2 ACL Configuration via SNMP Enabled

Name	Value
Displayed name	ACL Configuration via SNMP Enabled
OSS name	snmpCfgEnable
Type	BOOL
Default	false
Tab|Panel	General|System Defaults
Description	Indicates whether or not ACL configuration is supported via SNMP.

Table 12-3 Receive Action

Name	Value
Displayed name	Receive Action
OSS name	receiveAction

(1 of 2)

Name	Value
Type	opticalacl.Action
Tab|Panel	General|System Defaults
Description	Default action to be taken on received (incoming) packets where ACL is enabled but no pattern matches or no action is explicitly defined.

(2 of 2)

Table 12-4 Transmit Action

Name	Value
Displayed name	Transmit Action
OSS name	transmitAction
Type	opticalacl.Action
Tab|Panel	General|System Defaults
Description	Default action to be taken on transmitted (outgoing) packets where ACL is enabled but no pattern matches or no action is explicitly defined.

13 — ACL Pattern

Table 13-1 ACL Pattern parameters

Parameters	
Action	Origin
Configuration Mode	Pattern ID
Destination IP Address	Policy Scope
Destination IP Mask Prefix	Site ID
Discovery State	Site Name
Distribution Mode	Source IP Address
ICMP Code	Source IP Mask Prefix
ICMP Error Reporting Enabled	System Default
ICMP Type	TCP Established
Internet Protocol	TCP/UDP Destination Port
Internet Protocol (value)	TCP/UDP Source Port
IP Fragmentation	

Table 13-2 Action

Name	Value
Displayed name	Action
OSS name	action
Type	opticalacl.Action
Tab|Panel	General|General
Description	Action to be taken on packets matching the specified ACL pattern. Valid values are: pass - allow the packet if it matches all the pattern descriptors; block - disallow the packet if it doesn't match all the pattern descriptors.

Table 13-3 Configuration Mode

Name	Value
Displayed name	Configuration Mode
OSS name	configurationMode
Type	opticalacl.ConfigurationMode
Default	draft
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 13-4 Destination IP Address

Name	Value
Displayed name	Destination IP Address
OSS name	destinationIpAddress
Type	INETADDR
Default	0.0.0.0
Tab|Panel	General|General
Description	Source IP address. It can be specified explicitly to match only packets that originate from a particular address or can be used along with the DestPrefix parameter to specify a range of supported originating IP addresses.

Table 13-5 Destination IP Mask Prefix

Name	Value
Displayed name	Destination IP Mask Prefix
OSS name	destinationIpMaskPrefix
Type	INETADDR
Default	0.0.0.0
Tab|Panel	General|General
Description	Source IP mask prefix. It's the reverse of a subnet mask, where 0 indicates a position that must be matched and 1 indicates a position that does not matter. If the DestAddr is specified and the DestPrefix is unspecified (0.0.0.0), the originating IP address of the packet must match the DestAddr exactly. Otherwise, the pattern will allow packets whose originating IP is within the range implied by the source IP and subnet mask. This parameter is not valid unless the DestAddr is also specified.

Table 13-6 Discovery State

Name	Value
Displayed name	Discovery State
OSS name	discoveryState
Type	opticalacl.DiscoveryState
Default	notApplicable
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to "inProgress" if the global policy is created as the part of the specific NE resync during the full node resync or node discovery. At the end of full node resync, if the resync is successful, the global policy is completely updated from first discovered local policy and its discoveryState is set to "completed". Otherwise, the global policy isn't updated and its discoveryState is set to "failed". For "failed" global policy, it will be updated by next successful full node resync or synchronized from the specific local policy. Set to "initialized" if the global policy is created by snmp trap notification. User may need to synchronize the global policy manually with the specific local policy. Set to "N/A" if the global policy is created or modified by SAM user.

Table 13-7 Distribution Mode

Name	Value
Displayed name	Distribution Mode
OSS name	distributionMode
Type	opticalacl.DistributionMode
Default	syncWithGlobal
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 13-8 ICMP Code

Name	Value
Displayed name	ICMP Code
OSS name	icmpCode
Type	INT
Minimum	0
Maximum	255
Default	0
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	ICMP code. It is applicable only when IP protocol is ICMP and is used along with certain ICMP types to further specify the message type. It must also specify the ICMP type when setting this parameter. If specified, the pattern will only match packets with this exact ICMP code value.

(2 of 2)

Table 13-9 ICMP Error Reporting Enabled

Name	Value
Displayed name	ICMP Error Reporting Enabled
OSS name	icmpErrorEnabled
Type	BOOL
Default	false
Tab|Panel	General|General
Description	ICMP error reporting behavior for blocked packets. If no icmpError value is specified, the behavior will be determined by the system default setting. Valid values are: true - send ICMP error for blocked packets. false - do not send ICMP error for blocked packets.

Table 13-10 ICMP Type

Name	Value
Displayed name	ICMP Type
OSS name	icmpType
Type	INT
Minimum	0
Maximum	255
Default	0
Tab|Panel	General|General
Description	ICMP Type identifier. It is applicable only when IP Protocol is ICMP. If specified, the pattern will match only packets with this exact ICMP type.

Table 13-11 Internet Protocol

Name	Value
Displayed name	Internet Protocol
OSS name	ipProtocolKeyword
Type	opticalacl.Protocol
Default	47

(1 of 2)

Name	Value
Tab|Panel	General|General|Protocol
Description	IP Protocol specified by keyword.
Enumerated types	
GRE	
ICMP	
IPIP	
OSPF	
Others	
RSVP	
TCP	
UDP	

(2 of 2)

Table 13-12 Internet Protocol (value)

Name	Value
Displayed name	Internet Protocol (value)
OSS name	ipProtocol
Type	INT
Minimum	0
Maximum	255
Default	47
Tab|Panel	General|General|Protocol
Description	IP Protocol specified by explicit protocol number (0 to 255).

Table 13-13 IP Fragmentation

Name	Value
Displayed name	IP Fragmentation
OSS name	ipFragmentation
Type	BOOL
Default	false
Tab|Panel	General|General
Description	IP Fragmentation. True means that the filtering is done on all fragments, not just on the intital one (assuming the following ones are ok). Valid values are: true - pattern is an IP false - pattern is not an IP fragment.

Table 13-14 Origin

Name	Value
Displayed name	Origin
OSS name	origin
Type	STRING
Maximum	50
Default	N/A
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to the siteId if the policy is created as the part of the specific NE resync or by snmp notification. Set to user name if the policy is created by SAM user.

Table 13-15 Pattern ID

Name	Value
Displayed name	Pattern ID
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Mandatory on creation	yes
Tab|Panel	General|General

Table 13-16 Policy Scope

Name	Value
Displayed name	Policy Scope
OSS name	isLocal
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 13-17 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 13-18 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 13-19 Source IP Address

Name	Value
Displayed name	Source IP Address
OSS name	sourceIpAddress
Type	INETADDR
Default	0.0.0.0
Tab|Panel	General|General
Description	Source IP address. It can be specified explicitly to match only packets that originate from a particular address or can be used along with the SrcPrefix parameter to specify a range of supported originating IP addresses.

Table 13-20 Source IP Mask Prefix

Name	Value
Displayed name	Source IP Mask Prefix

(1 of 2)

Name	Value
OSS name	sourceIpMaskPrefix
Type	INETADDR
Default	0.0.0.0
Tab|Panel	General|General
Description	Source IP mask prefix. It's the reverse of a subnet mask, where 0 indicates a position that must be matched and 1 indicates a position that does not matter. If the SrcAddr is specified and the SrcPrefix is unspecified (0.0.0.0), the originating IP address of the packet must match the SrcAddr exactly. Otherwise, the pattern will allow packets whose originating IP is within the range implied by the source IP and subnet mask. This parameter is not valid unless the SrcAddr is also specified.

(2 of 2)

Table 13-21 System Default

Name	Value
Displayed name	System Default
OSS name	systemDefault
Type	opticalacl.YesNo
Default	No
Read-only	yes
Tab|Panel	General|General
Description	Indicates if ACL pattern is added by the system or a user. Valid values are: yes - ACL pattern is added by the system. no - ACL pattern is added by the user. It is not allowed modify of any attributes when System Default = yes.
Enumerated types	
No	
Yes	

Table 13-22 TCP Established

Name	Value
Displayed name	TCP Established
OSS name	tcpEstablished
Type	BOOL
Tab|Panel	General|General
Description	TCP established flag. It matches a packet depending on whether the TCP flags in the IP header correspond to the established state. It is applicable only when IP Protocol is TCP. Valid values are: true - TCP flags correspond to established state false - TCP flags do not correspond to established state

Table 13-23 TCP/UDP Destination Port

Name	Value
Displayed name	TCP/UDP Destination Port
OSS name	destinationPort
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|General
Description	TCP/UDP destination port. It is applicable only when the IP Protocol is TCP or UDP.

Table 13-24 TCP/UDP Source Port

Name	Value
Displayed name	TCP/UDP Source Port
OSS name	sourcePort
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|General
Description	TCP/UDP source port. It is applicable only when the IP Protocol is TCP or UDP.

14 — ACL Pattern Binding

Table 14-1 ACL Pattern Binding parameters

Parameters	
Filter ID	Pattern ID
Packet Match Count	Pattern Index
Pattern	System Default

Table 14-2 Filter ID

Name	Value
Displayed name	Filter ID
OSS name	filterName
Type	STRING
Maximum	30
Read-only	yes
Tab|Panel	General|General
Description	Identifier for the ACL filter the (index, pattern) pair is binding to.

Table 14-3 Packet Match Count

Name	Value
Displayed name	Packet Match Count

(1 of 2)

Name	Value
OSS name	packetMatchCount
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General
Description	Packet match counter. It is incremented whenever a packet matches the specified ACL pattern in the filter. This counter will be incremented regardless of the provisioned action on that pattern.

(2 of 2)

Table 14-4 Pattern

Name	Value
Displayed name	Pattern
OSS name	patternPointer
Type	POINTER
Tab|Panel	General|General
Description	Pointer to the pattern object associated with this filter.

Table 14-5 Pattern ID

Name	Value
Displayed name	Pattern ID
OSS name	patternName
Type	STRING
Maximum	30
Read-only	yes
Tab|Panel	General|General
Description	The identifier of the ACL pattern being added to or removed from the specified filter.

Table 14-6 Pattern Index

Name	Value
Displayed name	Pattern Index
OSS name	patternIndex
Type	INT

(1 of 2)

Name	Value
Minimum	1
Maximum	256
Mandatory on creation	yes
Tab|Panel	General|General
Description	The values of 1 to 256 represent the insertion point for the specified pattern on the filter list. If there is already a pattern defined at the specified index, the new pattern entry will replace the previous one.

(2 of 2)

Table 14-7 System Default

Name	Value
Displayed name	System Default
OSS name	systemDefault
Type	opticalacl.YesNo
Default	No
Read-only	yes
Tab|Panel	General|General
Description	Indicates if ACL filter is added by the system or a user. Valid values are: yes - ACL filter is added by the system. no - ACL filter is added by the user. It is not allowed modify of any attributes when System Default = yes.
Enumerated types	
No	
Yes	

15 — Alarm Profile

Table 15-1 Alarm Profile parameters

Parameters	
Category	Distribution Mode
Condition	Origin
Configuration Mode	Override Severity
Default Severity	Policy Scope
Description	Site ID
Direction	Site Name
Discovery State	

Table 15-2 Category

Name	Value
Displayed name	Category
OSS name	entityType
Type	optical.TrapEntityType
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
ALL	
BITS	
CBR10G3	

(1 of 6)

Name	Value
CBR2G5	
CBRAR	
COM	
CPDPR	
CPLMP	
CPNEIGHBOR	
CPRSVP	
DBLINK	
DDR	
E1	
ENV	
EQPT	
FC10G	
FC16G	
FC100	
FC200	
FC400	
FC800	
FE	
40GBE	
1GBE	
GMRENODE	
100GBE	
LAG	
LINEREF	
LOG	
LOODU	
LSP	
MEP	
NETIF	
OC12/STM4	
OC192/STM64	
OC3/STM1	
OC48/STM16	
OC768/STM256	
OCH	
ODU0	

(2 of 6)

Name	Value
ODU0TCM	
ODU1	
ODU1F	
ODU1FTCM	
ODU1ODU0	
ODU1ODU0TCM	
ODU1PTF	
ODU1TCM	
ODU2	
ODU2E	
ODU2EODU0	
ODU2EODU0TCM	
ODU2EODU1	
ODU2EODU1TCM	
ODU2EODUF	
ODU2EODUFTCM	
ODU2ETCM	
ODU2ODU0	
ODU2ODU0TCM	
ODU2ODU1	
ODU2ODU1TCM	
ODU2ODUF	
ODU2ODUFTCM	
ODU2TCM	
ODU3	
ODU3E	
ODU3E2	
ODU3E2ODU0	
ODU3E2ODU0TCM	
ODU3E2ODU1	
ODU3E2ODU1TCM	
ODU3E2ODU2	
ODU3E2ODU2E	
ODU3E2ODU2ETCM	
ODU3E2ODU2TCM	
ODU3E2ODUF	
ODU3E2ODUFTCM	

(3 of 6)

Name	Value
ODU3E2TCM	
ODU3EODU0	
ODU3EODU0TCM	
ODU3EODU1	
ODU3EODU1TCM	
ODU3EODU2	
ODU3EODU2E	
ODU3EODU2ETCM	
ODU3EODU2TCM	
ODU3EODUF	
ODU3EODUFTCM	
ODU3ETCM	
ODU3ODU0	
ODU3ODU0TCM	
ODU3ODU1	
ODU3ODU1TCM	
ODU3ODU2	
ODU3ODU2E	
ODU3ODU2ETCM	
ODU3ODU2TCM	
ODU3ODUF	
ODU3ODUFTCM	
ODU3TCM	
ODU4	
ODU4ODU0	
ODU4ODU0TCM	
ODU4ODU1	
ODU4ODU1F	
ODU4ODU1FTCM	
ODU4ODU1TCM	
ODU4ODU2	
ODU4ODU2E	
ODU4ODU2ETCM	
ODU4ODU2TCM	
ODU4ODU3	
ODU4ODU3E	
ODU4ODU3E2	

(4 of 6)

Name	Value
ODU4ODU3E2TCM	
ODU4ODU3ETCM	
ODU4ODU3TCM	
ODU4ODUF	
ODU4ODUFTCM	
ODU4TCM	
ODUF	
ODUFTCM	
OFA	
OMS	
OPTSG	
OTNFAC	
OTS	
OTU	
OTU0	
OTU1	
OTU1F	
OTU2	
OTU2E	
OTU3	
OTU3E	
OTU3E2	
OTU4	
OTUODU0	
OTUODU0TCM	
OTUODU1	
OTUODU1F	
OTUOODU1FTCM	
OTUODU1TCM	
OTUODU2	
OTUODU2E	
OTUODU2ETCM	
OTUODU2TCM	
OTUODU3	
OTUODU3E	
OTUODU3E2	
OTUODU3E2TCM	

(5 of 6)

Name	Value
OTUODU3ETCM	
OTUODU3TCM	
OTUODU4	
OTUODU4TCM	
PLK	
PM	
PTPCLOCK	
PTPPORT	
RMD	
RMDCESCHNNEL	
RMDIF	
RMDIFMAU	
RMDMEP	
RMDNIM	
SCLOCK	
SDR	
SESSION	
SRERP	
SRMEP	
SROAMSAACTL	
SRSAP	
SRSVC	
SYNC	
TELINK	
10GBE	
TIMING	
TOD	
TRU	
VTS	

(6 of 6)

Table 15-3 Condition

Name	Value
Displayed name	Condition
OSS name	condition
Type	optical.TrapCondition

(1 of 32)

Name	Value
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
aesFipsFailure	
aisLM	
aisLmsAis	
aisPauAis	
aisTcm	
alienEgrLOS	
allChanMiss	
allChanMissOut	
almRSync	
almRSyncEnd	
ampDisabled	
ampEol	
ANNOUNCELOSS	
apeInProgress	
aprInvalidTopo	
aprLine	
aprNode	
aprOsc	
aprSwitch	
aprUnavail	
aprUnavailOsc	
apsB	
apsCm	
apsMm	
apsNoRed	
arcIND	
asonTopo	
auAisP	
auLopP	
authFail	
autoReset	
autoSwTimRef	
autoSwTimRefT4	
autoSyncSw	

(2 of 32)

Name	Value
b1Sd	
backupUnavail	
backwardDefectIndicationEgress	
baseline	
bdi	
bdiOdu	
bdiOduOut	
bdiTcm	
binsRolled	
bitsAIS	
bitsLof	
bitsLos	
bitsMAN	
bkupCom	
boardEqpt	
brkTrip	
capBufr	
cardBoot	
cardIdRcvd	
cardInBoot	
cardInit	
cardInitBcm	
cardInitFail	
cardInitNonBcm	
cardNotAllowed	
cardSanity	
cbr10G3RxLOS	
cbr10G3RxLSS	
ccActChg	
cfCapacityWarning	
cfmAisEvnt	
cfmDmTestComplete	
cfmFltEvnt	
cfmLbmTestComplete	
cfmLmTestComplete	
cfmLtmTestComplete	
cfmSlmTestComplete	

(3 of 32)

Name	Value
change	
channelViolation	
chkBkplane	
ckm	
clearAllTcas	
colorViolation	
comm	
commDeg	
commDown	
configFail	
contBus	
contCom	
contComm	
contEqpt	
contEqptSplit	
contr	
contrDup	
contrenDgr	
contrenFail	
contrOut	
cpuPerformance	
crdInit	
crTca	
csf	
csfGfp	
CSFGFPOUT	
csfOduEgr	
csfOduOut	
dataErr	
dataFlt	
dbErr	
dbFl	
dbFt	
dbFull	
dbInvalid	
dbMemTrf	
dbUnsync	

(4 of 32)

Name	Value
dcConfigFail	
deg	
degOtu	
degOut	
degTcm	
DELAYRESLOSS	
dormantUser	
dwAis	
dwLof	
dwLom	
dwSd	
dwSf	
e1AisEgr	
e1AisL	
e1Lof	
e1LofEgr	
e1Los	
e1NoCrc4M	
e1NoCRC4MEgr	
e1Rai	
e1RaiEgr	
ebero	
egressSSF	
envInput1Active	
envInput2Active	
envInput3Active	
envInput4Active	
envInput5Active	
envInput6Active	
envInput7Active	
envInput8Active	
eptUploadErr	
eqpt	
eqptCrypto	
eqptDgr	
eqptDgrMon	
eqptDgrOch	

(5 of 32)

Name	Value
eqptDgrOchOut	
eqptDgrOut	
eqptPort	
erpFwdStateChng	
escLatchFail	
esm	
ethCSF	
ethRingPathProvMismatch	
etrMismatch	
etrMismatchMod	
excessLoad	
excessLoss	
facServ	
facTerm	
facTermDev	
facTermDgr	
fan32HRqd	
fanSpeed	
fanSpeedHigh	
fanSpeedLow	
fanSpeedMan	
farEndLos	
faulty	
fdi	
fdiClt	
feAIs	
feasibilityViolation	
fecEcSd	
fecFail	
fecUbcSd	
feFlt	
feLfi	
feLos	
feLss	
fePortMismatch	
fePrLf	
feRfi	

(6 of 32)

Name	Value
fipsFailure	
fipsSwMismatch	
flt	
fpgaFail	
fpgaInit	
FPGAINIT1	
FPGAINIT10	
FPGAINIT2	
FPGAINIT3	
FPGAINIT4	
FPGAINIT5	
FPGAINIT6	
FPGAINIT7	
FPGAINIT8	
FPGAINIT9	
FPGAPRELOAD	
fpgaTimeout	
frcdSwTimRef	
frcdSwTimRefT4	
frcdWkSwBk	
frcdWkSwBkVTS1	
frcdWkSwBkVTS10	
frcdWkSwBkVTS2	
frcdWkSwBkVTS3	
frcdWkSwBkVTS4	
frcdWkSwBkVTS5	
frcdWkSwBkVTS6	
frcdWkSwBkVTS7	
frcdWkSwBkVTS8	
frcdWkSwBkVTS9	
frcdWkSwPr	
frcdWkSwPrVTS1	
frcdWkSwPrVTS10	
frcdWkSwPrVTS2	
frcdWkSwPrVTS3	
frcdWkSwPrVTS4	
frcdWkSwPrVTS5	

(7 of 32)

Name	Value
frcdWkSwPrVTS6	
frcdWkSwPrVTS7	
frcdWkSwPrVTS8	
frcdWkSwPrVTS9	
frngSync	
fwPendingObsolete	
fwUpgradePending	
fwVersionNotDefault	
gfpLof	
GFPLOFOUT	
gfpSsf	
gfpUpm	
hdFail	
hdFull	
hiBer	
highGain	
hIdOvrSync	
hpPlmP	
hpRdiP	
hpUneqP	
hwRevisionNotSupported	
igmpSnpgSrcLimitExceed	
imageNotReady	
incompatFan	
inhMsgPmRept	
init	
inMigration	
int	
intErr	
intrusion	
intrusionEvt	
intSft	
intTemp	
intTempHigh	
intTempLow	
intTempOpt	
invalidEgress	

(8 of 32)

Name	Value
invalidThreshold	
invalidThresholdOms	
invalidThresholdOts	
invalidTopo	
inventoryError	
keyDomainErr	
lagDeg	
lagLos	
lagPortAddFailed	
lagSubGrpSelect	
lanLfi	
lanLol	
lanLos	
lanRfi	
lanSf	
laserBackFacetOptPwrTca	
laserCoolingCurTca	
laserEOL	
laserOffLpbk	
lck	
lckOut	
lckTcm	
ledState	
lfd	
lfiEgr	
linkDiviersity	
linkDown	
linkoamLoopDetected	
linkoamNonThresh	
linkoamPeerChng	
linkUp	
loam	
lockedIndicationEgress	
lockoutOfPr	
lockoutOfPrVTS1	
lockoutOfPrVTS10	
lockoutOfPrVTS2	

(9 of 32)

Name	Value
lockoutOfPrVTS3	
lockoutOfPrVTS4	
lockoutOfPrVTS5	
lockoutOfPrVTS6	
lockoutOfPrVTS7	
lockoutOfPrVTS8	
lockoutOfPrVTS9	
lockoutOfTimRef	
lockoutOfTimRefT4	
lockoutToPr	
lof	
lofEgr	
lofLom	
lofLomOut	
lofO	
loGain	
logBuf90SecuLog	
logBufOvfISecuLog	
lol	
lopPauLop	
los	
losDcm	
losEdfa	
losLdSig	
losO	
losOamp	
losOcm	
losOms	
losOOut	
losOts	
losOut	
losP	
losPId	
lossOfLock	
lostClock	
lotOut	
lpbkLine	

(10 of 32)

Name	Value
IpbkTerm	
IspFailedApe	
IspFailedPre	
IspFailedTp	
IspFailedUnprot	
IspFailedXc	
IsrOutDgr	
Iss	
IssEgr	
ItcTcm	
man	
manLR	
manReset	
manSwTimRef	
manSwTimRefT4	
manSwToInt	
manSwToPri	
manSwToSec	
manWkSwBk	
manWkSwBkVTS1	
manWkSwBkVTS10	
manWkSwBkVTS2	
manWkSwBkVTS3	
manWkSwBkVTS4	
manWkSwBkVTS5	
manWkSwBkVTS6	
manWkSwBkVTS7	
manWkSwBkVTS8	
manWkSwBkVTS9	
manWkSwPr	
manWkSwPrVTS1	
manWkSwPrVTS10	
manWkSwPrVTS2	
manWkSwPrVTS3	
manWkSwPrVTS4	
manWkSwPrVTS5	
manWkSwPrVTS6	

(11 of 32)

Name	Value
manWkSwPrVTS7	
manWkSwPrVTS8	
manWkSwPrVTS9	
mepAIS	
mepError	
mepLoc	
mepMacError	
mepMmg	
mepRemote	
mepXcon	
mirrorDestDisable	
mirrorDestEnable	
mirrorSrcDisable	
mirrorSrcEnable	
mismatch	
mismatchFiber	
mismatchSfpXfp	
missing	
mixedPFUsed	
mjTca	
mnTca	
mod	
modOutOOR	
msim	
mtcesurv	
mtcesurvDgr	
neAIs	
neFlt	
neModeMismatch	
net	
netCraft	
neUnreachable	
nkm	
nodeDeg	
notUsed1	
notUsed2	
notUsed3	

(12 of 32)

Name	Value
notUsed4	
ntpChkSig	
ntpClkAdj	
ntpLor	
ntpOoSync	
nunvComm	
nunvConfig	
nunvIndetermined	
nunvReversion	
nunvTpBlocked	
nunvTransmission	
nvMismatch	
oaPumpBiasCurrHigh	
oaPumpTempHigh	
objCreated	
objDeleted	
ochCollision	
ochCollisionOut	
ochFdi	
ochIntErr	
ochKeyDup	
ochKeyOverlap	
ochKeysReused	
ochKeyUnavail	
ochMissing	
ochPdi	
ochPwrUnstable	
ochTrailDup	
ochTrailUnknown	
ochUnknown	
ochUnknownOut	
oci	
ociOut	
ociTcm	
ocsAuditFail	
ocsAuditSuccess	
ocsDataFlt	

(13 of 32)

Name	Value
ocsDataRtrv	
ocsUnavail	
ocsUplinkDeleted	
oduAis	
oduAisEgress	
oduAisOut	
omsSSF	
openConnectionIndicationEgress	
opr	
oprIngress	
oprLossHigh	
oprLossLow	
oprOOR	
oprOut	
oprPwrHigh	
oprPwrLow	
oprTx	
oprUnachieve	
opticalParamErr	
optIntBase	
optIntDet	
optIntSusp	
oscSsf	
OSNRMESC	
ospfAdj	
otmcpf	
otuAis	
ovrld	
payloadTypeMismatchEgress	
pcsGeneratorActive	
pdi	
pdiPauPdi	
PGFPGAFAIL1	
PGFPGAFAIL2	
PGFPGAFAIL3	
PGFPGAFAIL4	
PGFPGAFAIL5	

(14 of 32)

Name	Value
PGFPGAINIT1	
PGFPGAINIT2	
PGFPGAINIT3	
PGFPGAINIT4	
PGFPGAINIT5	
plm	
plmOduOut	
plmPauPlm	
ppsLos	
prcdrErr	
prcdrErrOut	
prcdrErrTopo	
prcdrErrTopoOut	
PTPFREERUN	
PTPGMDEGRADE	
PTPGMSWITCH	
PTPPATHSWITCH	
PTPPORTSWITCH	
PTPREFLOSS	
PTPREFUNSTABLE	
pwr	
pwrAdjComms	
pwrAdjFail	
pwrAdjFailAdd	
pwrAdjFailDrp	
pwrAdjReq	
pwrAdjReqAdd	
pwrAdjReqDrp	
pwrAImp	
pwrEdfaMargin	
pwrFan	
pwrMargin	
pwrMaxGain	
pwrMgtOff	
pwrSusp	
pwrSuspOut	
pwrTiltParams	

(15 of 32)

Name	Value
pwrTiltSusp	
pwrUnbalance	
pwrUnbalanceOms	
ramanSup	
rcvrOptProg	
rdi	
rdiL	
readyToRevert	
replUnitMiss	
replUnitMissMOD	
reRouted	
restorationDisabled	
rfi	
rfiEgr	
rfiLmsRfi	
rfiPauRfi	
rmdCesChannelLPL	
rmdCesChannelNoTdmPl	
rmdCesChannelRPL	
rmdDiscoveredDevice	
rmdDNR	
rmdEQF	
rmdIfEFMLOP	
rmdIfLOS	
rmdIfMauANM	
rmdIfMauEQF	
rmdIfMauLOS	
rmdIfMauUNI	
rmdIfMauWUP	
rmdJbRecentered	
rmdMepLOC	
rmdMepMMG	
rmdMepRDI	
rmdMepUNL	
rmdMepUNM	
rmdMepUNP	
rmdNDF	

(16 of 32)

15 — Alarm Profile

Name	Value
rmdNimLOF	
rmdPWR	
rmdTypeMismatch	
rmdUnknownEcid	
rmdWDP	
rmdWrongDestMac	
routeNotPossible	
sapOperDown	
sapStateChng	
sapTlsMacAddrLimitAlarm	
sd	
sdegO	
seepScrub	
serverSignalFailureEgress	
sf	
sfMismatch	
sfpEOL	
sfpReceiverPwrOOR	
sfpTempOOR	
sfpTrmtPwrOOR	
sft	
shelfInVoltHigh	
shelfInVoltLow	
signalDegradeEgress	
SLCBOOTCONTCOM	
SLCCARDINIT	
SLCCLKSYNC	
SLCCONTCOM	
SLCDATAFLT	
SLCEQPTBOOT	
SLCMISMATCH	
SLCNOTINSERVICE	
slcr	
sltmSig	
spLoAdjFail	
srgDiviersity	
srTca	

(17 of 32)

Name	Value
ssf	
ssfCltEgr	
ssfOdu	
ssfOduOut	
ssfOduTp	
ssfOtu	
SSFSECTION	
SSFSECTIONOUT	
ssfTcm	
subNodeUnreachable	
svcOperDown	
svcStateChng	
svcTlsFwdTblFullAlarm	
svcTlsMfibTblFullAlarm	
swEqpt	
swftDwn	
swMtxMod	
swToSec	
swUpgCommit	
swUpgFail	
swUpgrade	
sync	
syncActRef	
syncClk	
syncClkFail	
syncClkFrng	
syncClkHldovr	
syncClkMode	
syncClkUnit	
syncCommand	
syncEqpt	
syncIfTimingHoldover	
syncIfTimingRef1Alarm	
syncIfTimingRef2Alarm	
SYNCLOSS	
syncMode	
syncOos	

(18 of 32)

Name	Value
syncOosT4	
syncRefFail	
syncRefUnEq	
syncStatChng	
syncSys	
syncSysOos	
syncT4Out	
sysBoot	
sysInit	
systemReady	
tBbeMs15Min	
tBbeMs1Day	
tBbeOdu15Min	
tBbeOdu15MinOut	
tBbeOdu1Day	
tBbeOdu1DayOut	
tBbeOtu15Min	
tBbeOtu1Day	
tBbeP15Min	
tBbeP1Day	
tBbePt15Min	
tBbePt1Day	
tBbeRs15Min	
tBbeRs1Day	
tBbeRst15Min	
tBbeRst1Day	
tBbeTcm15Min	
tBbeTcm1Day	
tBerPostFec15min	
tBerPostFec1day	
tBerPreFec15min	
tBerPreFec1day	
tBiaesOtu15Min	
tBiaesOtu1Day	
tBiaesTcm15Min	
tBiaesTcm1Day	
tcmAis	

(19 of 32)

Name	Value
tCv15Min	
tCv1Day	
tCvPcs15Min	
tCvPcs1Day	
tCvPcst15Min	
tCvPcst1Day	
tCvs15Min	
tCvs1Day	
tCvst15Min	
tCvst1Day	
termOc192stm64	
termOc312stm14	
termOc48stm16	
termOtu1	
termOtu2	
tEs15Min	
tEs1Day	
tEsL15Min	
tEsL1Day	
tEsMs15Min	
tEsMs1Day	
tEsOdu15Min	
tEsOdu15MinOut	
tEsOdu1Day	
tEsOdu1DayOut	
tEsOtu15Min	
tEsOtu1Day	
tEsP15Min	
tEsP1Day	
tEsPcs15Min	
tEsPcs1Day	
tEsPcst15Min	
tEsPcst1Day	
tEsPt15Min	
tEsPt1Day	
tEsRs15Min	
tEsRs1Day	

(20 of 32)

Name	Value
tEsRst15Min	
tEsRst1Day	
tEss15Min	
tEss1Day	
tEsst15Min	
tEsst1Day	
tEsTcm15Min	
tEsTcm1Day	
testMode	
tEthpkter15Min	
tEthpkter1Day	
tEthpktert15Min	
tEthpktert1Day	
tFebbeMs15Min	
tFebbeMs1Day	
tFebbeOdu15Min	
tFeBbeOdu15MinOut	
tFebbeOdu1Day	
tFeBbeOdu1DayOut	
tFebbeOtu15Min	
tFebbeOtu1Day	
tFebbeTcm15Min	
tFebbeTcm1Day	
tFecc15Min	
tFecc1Day	
tFecUbc15Min	
tFecUbc1Day	
tFecUbu15Min	
tFecUbu1Day	
tFeesMs15Min	
tFeesMs1Day	
tFeesOdu15Min	
tFeEsOdu15MinOut	
tFeesOdu1Day	
tFeEsOdu1DayOut	
tFeesOtu15Min	
tFeesOtu1Day	

(21 of 32)

Name	Value
tFeesTcm15Min	
tFeesTcm1Day	
tFesesMs15Min	
tFesesMs1Day	
tFesesOdu15Min	
tFeSesOdu15MinOut	
tFesesOdu1Day	
tFeSesOdu1DayOut	
tFesesOtu15Min	
tFesesOtu1Day	
tFesesTcm15Min	
tFesesTcm1Day	
tFeuasMs15Min	
tFeuasMs1Day	
tFeuasOdu15Min	
tFeUasOdu15MinOut	
tFeuasOdu1Day	
tFeUasOdu1DayOut	
tFeuasOtu15Min	
tFeuasOtu1Day	
tFeuasTcm15Min	
tFeuasTcm1Day	
tIaesOtu15Min	
tIaesOtu1Day	
tIaesTcm15Min	
tIaesTcm1Day	
tim	
timOdu	
timOduOut	
timTcm	
toDDEG	
toDLOS	
TODREFUNSTABLE	
tOprh15Min	
tOprh1Day	
tOprhLane1	
tOprhLane10	

(22 of 32)

Name	Value
tOprhLane2	
tOprhLane3	
tOprhLane4	
tOprhLane5	
tOprhLane6	
tOprhLane7	
tOprhLane8	
tOprhLane9	
tOprl15Min	
tOprl1Day	
tOprlLane1	
tOprlLane10	
tOprlLane2	
tOprlLane3	
tOprlLane4	
tOprlLane5	
tOprlLane6	
tOprlLane7	
tOprlLane8	
tOprlLane9	
tOpth15Min	
tOpth1Day	
tOpthLane1	
tOpthLane10	
tOpthLane2	
tOpthLane3	
tOpthLane4	
tOpthLane5	
tOpthLane6	
tOpthLane7	
tOpthLane8	
tOpthLane9	
tOptl15Min	
tOptl1Day	
tOptlLane1	
tOptlLane10	
tOptlLane2	

(23 of 32)

Name	Value
tOptILane3	
tOptILane4	
tOptILane5	
tOptILane6	
tOptILane7	
tOptILane8	
tOptILane9	
tPmonDmaBfd15Min	
tPmonDmaBfd1Day	
tPmonDmaffd15Min	
tPmonDmaffd1Day	
tPmonDmafFdv15Min	
tPmonDmafFdv1Day	
tPmonDmanfd15Min	
tPmonDmanfd1Day	
tPmonDmanFdv15Min	
tPmonDmanFdv1Day	
tPmonDmxBfd15Min	
tPmonDmxBfd1Day	
tPmonDmxffd15Min	
tPmonDmxffd1Day	
tPmonDmxfFdv15Min	
tPmonDmxfFdv1Day	
tPmonDmxnfd15Min	
tPmonDmxnfd1Day	
tPmonDmxnFdv15Min	
tPmonDmxnFdv1Day	
tPmonLmaffIr15Min	
tPmonLmaffIr1Day	
tPmonLmanfIr15Min	
tPmonLmanfIr1Day	
tPmonLmfhIi15Min	
tPmonLmfhIi1Day	
tPmonLmnhIi15Min	
tPmonLmnhIi1Day	
tPmonLmxffIr15Min	
tPmonLmxffIr1Day	

(24 of 32)

15 — Alarm Profile

Name	Value
tPmonLmxnfIr15Min	
tPmonLmxnfIr1Day	
tPmonPortHighCapacityOctets15Min	
tPmonPortHighCapacityOctets1Day	
tPmonPortHighCapacityPkts15Min	
tPmonPortHighCapacityPkts1Day	
tPmonPortIfInDiscards15Min	
tPmonPortIfInDiscards1Day	
tPmonPortIfInErrors15Min	
tPmonPortIfInErrors1Day	
tPmonPortIfInOctets15Min	
tPmonPortIfInOctets1Day	
tPmonPortIfInPackets	
tPmonPortIfInPackets15Min	
tPmonPortIfOutDiscards15Min	
tPmonPortIfOutDiscards1Day	
tPmonPortIfOutErrors15Min	
tPmonPortIfOutErrors1Day	
tPmonPortIfOutOctets15Min	
tPmonPortIfOutOctets1Day	
tPmonPortIfOutPackets15Min	
tPmonPortIfOutPackets1Day	
tPmonPortQueue1OctetsDropped15Min	
tPmonPortQueue1OctetsDropped1Day	
tPmonPortQueue1PktsDropped15Min	
tPmonPortQueue1PktsDropped1Day	
tPmonPortQueue2OctetsDropped15Min	
tPmonPortQueue2OctetsDropped1Day	
tPmonPortQueue2PktsDropped15Min	
tPmonPortQueue2PktsDropped1Day	
tPmonPortQueue3OctetsDropped15Min	
tPmonPortQueue3OctetsDropped1Day	
tPmonPortQueue3PktsDropped15Min	
tPmonPortQueue3PktsDropped1Day	
tPmonPortQueue4OctetsDropped15Min	
tPmonPortQueue4OctetsDropped1Day	
tPmonPortQueue4PktsDropped15Min	

(25 of 32)

Name	Value
tPmonPortQueue4PktsDropped1Day	
tPmonPortQueue5OctetsDropped15Min	
tPmonPortQueue5OctetsDropped1Day	
tPmonPortQueue5PktsDropped15Min	
tPmonPortQueue5PktsDropped1Day	
tPmonPortQueue6OctetsDropped15Min	
tPmonPortQueue6OctetsDropped1Day	
tPmonPortQueue6PktsDropped15Min	
tPmonPortQueue6PktsDropped1Day	
tPmonPortQueue7OctetsDropped15Min	
tPmonPortQueue7OctetsDropped1Day	
tPmonPortQueue7PktsDropped15Min	
tPmonPortQueue7PktsDropped1Day	
tPmonPortQueue8OctetsDropped15Min	
tPmonPortQueue8OctetsDropped1Day	
tPmonPortQueue8PktsDropped15Min	
tPmonPortQueue8PktsDropped1Day	
tPmonSapIngressOctetsDropped15Min	
tPmonSapIngressOctetsDropped1Day	
tPmonSapIngressPktsDropped15Min	
tPmonSapIngressPktsDropped1Day	
tPmonSImaffIr15Min	
tPmonSImafFIr1Day	
tPmonSImaffIrContinuous	
tPmonSImanfIr15Min	
tPmonSImanFIr1Day	
tPmonSImanfIrContinuous	
tPmonSImfhIi15Min	
tPmonSImfhIi1Day	
tPmonSImfhIiContinuous	
tPmonSImnhIi15Min	
tPmonSImnhIi1Day	
tPmonSImnhIiContinuous	
tPmonSImxfFIr1Day	
tPmonSImxffIrContinuous	
tPmonSImxnFIr1Day	
tPmonSImxnfIrContinuous	

(26 of 32)

Name	Value
tPostFec15Min	
tPostFec1Day	
tPreFec15Min	
tPreFec1Day	
trailTraceIdentifierMismatchEgress	
transferLogFL	
transferLogFT	
transferLogIP	
trmt	
trmtMOD	
TRUBRKROPEN	
tSefs15Min	
tSefs1Day	
tSefsPcs15Min	
tSefsPcs1Day	
tSefsPcst15Min	
tSefsPcst1Day	
tSefss15Min	
tSefss1Day	
tSefsst15Min	
tSefsst1Day	
tSes15Min	
tSes1Day	
tSesL15Min	
tSesL1Day	
tSesMs15Min	
tSesMs1Day	
tSesOdu15Min	
tSesOdu15MinOut	
tSesOdu1Day	
tSesOdu1DayOut	
tSesOtu15Min	
tSesOtu1Day	
tSesP15Min	
tSesP1Day	
tSesPcs15Min	
tSesPcs1Day	

(27 of 32)

Name	Value
tSesPcst15Min	
tSesPcst1Day	
tSesPt15Min	
tSesPt1Day	
tSesRs15Min	
tSesRs1Day	
tSesRst15Min	
tSesRst1Day	
tSess15Min	
tSess1Day	
tSesst15Min	
tSesst1Day	
tSesTcm15Min	
tSesTcm1Day	
tsMismatch	
tsMismatchOut	
tUasMs15Min	
tUasMs1Day	
tUasOdu15Min	
tUasOdu15MinOut	
tUasOdu1Day	
tUasOdu1DayOut	
tUasOtu15Min	
tUasOtu1Day	
tUasP15Min	
tUasP1Day	
tUasPt15Min	
tUasPt1Day	
tUasRs15Min	
tUasRs1Day	
tUasRst15Min	
tUasRst1Day	
tUasTcm15Min	
tUasTcm1Day	
unexWkSet	
unknown	
unknownNotif	

(28 of 32)

Name	Value
unknownSfpXfp	
unL	
unM	
unMOrUnP	
unP	
unPr	
upm	
uruOchLos	
uruOmsRx	
uruOmsTx	
uruOtsLos	
uruOtsRx	
uruOtsTx	
uruOtu	
uruS	
usAis	
usAIs	
userEqptMismatch	
usFlt	
usIdle	
usLos	
usOchCollision	
usSFEber	
vcgDown	
vcgLoa	
vcgMap	
vcgSsf	
vcMfi	
voltage	
voltageHigh	
voltageLow	
vtsConnCreation	
vtsFdi	
vtsFdi1	
vtsFdi10	
vtsFdi11	
vtsFdi12	

(29 of 32)

Name	Value
vtsFdi13	
vtsFdi14	
vtsFdi15	
vtsFdi16	
vtsFdi17	
vtsFdi18	
vtsFdi19	
vtsFdi2	
vtsFdi20	
vtsFdi21	
vtsFdi22	
vtsFdi23	
vtsFdi24	
vtsFdi25	
vtsFdi26	
vtsFdi27	
vtsFdi28	
vtsFdi29	
vtsFdi3	
vtsFdi30	
vtsFdi31	
vtsFdi32	
vtsFdi4	
vtsFdi5	
vtsFdi6	
vtsFdi7	
vtsFdi8	
vtsFdi9	
vtsOci	
vtsOci1	
vtsOci10	
vtsOci11	
vtsOci12	
vtsOci13	
vtsOci14	
vtsOci15	
vtsOci16	

(30 of 32)

Name	Value
vtsOci17	
vtsOci18	
vtsOci19	
vtsOci2	
vtsOci20	
vtsOci21	
vtsOci22	
vtsOci23	
vtsOci24	
vtsOci25	
vtsOci26	
vtsOci27	
vtsOci28	
vtsOci29	
vtsOci3	
vtsOci30	
vtsOci31	
vtsOci32	
vtsOci4	
vtsOci5	
vtsOci6	
vtsOci7	
vtsOci8	
vtsOci9	
warnTca	
wkSwBk	
wkSwPr	
wkSwPrVTS1	
wkSwPrVTS10	
wkSwPrVTS2	
wkSwPrVTS3	
wkSwPrVTS4	
wkSwPrVTS5	
wkSwPrVTS6	
wkSwPrVTS7	
wkSwPrVTS8	
wkSwPrVTS9	

(31 of 32)

Name	Value
wtocmaPoutRanOsnr	
wtr	

(32 of 32)

Table 15-4 Configuration Mode

Name	Value
Displayed name	Configuration Mode
OSS name	configurationMode
Type	optical.ConfigurationMode
Default	draft
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 15-5 Default Severity

Name	Value
Displayed name	Default Severity
OSS name	defaultSeverity
Type	optical.TrapCategory
Mandatory on creation	yes
Tab|Panel	General|General
Description	The default category.
Enumerated types	
Critical	
General Event	
Major	
Minor	
None	
Not Alarmed	
Not Reported	
Security	
State Change	
Unknown	
Warning	

Table 15-6 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Read-only	yes
Tab|Panel	General|General

Table 15-7 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	optical.AlarmCategoryDirection
Mandatory on creation	yes
Tab|Panel	General|General
Description	The direction to which the new category will be applied.
Enumerated types	
None	
RX	
TX	

Table 15-8 Discovery State

Name	Value
Displayed name	Discovery State
OSS name	discoveryState
Type	optical.DiscoveryState
Default	notApplicable
Read-only	yes
Tab|Panel	General|Policy Configuration

(1 of 2)

Name	Value
Description	Only applicable to the global policy. Set to "inProgress" if the global policy is created as the part of the specific NE resync during the full node resync or node discovery. At the end of full node resync, if the resync is successful, the global policy is completely updated from first discovered local policy and its discoveryState is set to "completed". Otherwise, the global policy isn't updated and its discoveryState is set to "failed". For "failed" global policy, it will be updated by next successful full node resync or synchronized from the specific local policy. Set to "initialized" if the global policy is created by snmp trap notification. User may need to synchronize the global policy manually with the specific local policy. Set to "N/A" if the global policy is created or modified by SAM user.

(2 of 2)

Table 15-9 Distribution Mode

Name	Value
Displayed name	Distribution Mode
OSS name	distributionMode
Type	optical.DistributionMode
Default	syncWithGlobal
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 15-10 Origin

Name	Value
Displayed name	Origin
OSS name	origin
Type	STRING
Maximum	50
Default	N/A
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to the siteId if the policy is created as the part of the specific NE resync or by snmp notification. Set to user name if the policy is created by SAM user.

Table 15-11 Override Severity

Name	Value
Displayed name	Override Severity
OSS name	severity

(1 of 2)

Name	Value
Type	optical.TrapCategory
Default	None
Tab|Panel	General|General
Description	The category.
Enumerated types	
Critical	
General Event	
Major	
Minor	
None	
Not Alarmed	
Not Reported	
Security	
State Change	
Unknown	
Warning	

(2 of 2)

Table 15-12 Policy Scope

Name	Value
Displayed name	Policy Scope
OSS name	isLocal
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 15-13 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|Site

(2 of 2)

Table 15-14 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

16 — APS Group

Table 16-1 APS Group parameters

Parameters	
Active Conditions	Protection Port
APS Group ID	Protection Switch
APS Protection Mode	Protection VTS
Card Sub Type	Remote
Channel	Remote
Client ODUk Facility	Request For
Connection Direction	Site ID
Description	Site Name
Holdoff Time	Switch Direction
Local	Switch Status
Local	Type
ODU1 PTF	Wait to Restore
ODUk Protected Interface Type	Working ODUk facility
Port	Working ODUk facility
Protection Method	Working Port
Protection ODUk facility	Working VTS
Protection ODUk facility	

Table 16-2 Active Conditions

Name	Value
Displayed name	Active Conditions
OSS name	currentStatus

(1 of 2)

Name	Value
Type	optical.ApsCurrentStatusBits
Tab|Panel	APS Group|Protection Management
Description	The status of the APS group. Corresponds tnApsGroupCurrentStatus in the MIB.
Enumerated types	
Channel Mismatch	
Extra Traffic	
Far-End Protection-Line Failure	
Mode Mismatch	
Protection Switch Byte Failure	

(2 of 2)

Table 16-3 APS Group ID

Name	Value
Displayed name	APS Group ID
OSS name	groupId
Type	LONG
Default	0
Mandatory on creation	yes
Tab|Panel	APS Group|General
Description	The id of the APS group obtained from the node, corresponding to the MIB.

Table 16-4 APS Protection Mode

Name	Value
Displayed name	APS Protection Mode
OSS name	protectionMode
Type	optical.ApsMode
Default	OPS
Tab|Panel	APS Group|General
Description	Indicates the type of APS protection.
Enumerated types	
Diverse Route	
1 for 1	
OPS	
ESNCP	

(1 of 2)

Name	Value
Optical Splitter	
SNCI	
SNCN	
SNCNC	
Unprotected	

(2 of 2)

Table 16-5 Card Sub Type

Name	Value
Displayed name	Card Sub Type
OSS name	cardSubType
Type	equipment.CardSubType
Default	OPSA
Tab|Panel	APS Group|General
Description	The subtype of the card on which the APS group is created.
Enumerated types	
Occupied by other Card	
112PDM11	
112SA1L	
112SCA1-100GEth	
112SCA1-OTU4	
112SCX10	
112SNA1-100GEth	
112SNA1-OTU4	
112SNX10	
112SX10L	
11DPE12A	
11DPE12E	
11DPE12	
11DPM12	
11OPE8	
11QCE12X	
11QPA4	
11QPE24	
11QPEN4	
11STAR1A	

(1 of 4)

Name	Value
11STAR1	
11STGE12	
11STMM10	
130SCX10	
1DPP24M-Master	
1DPP24M-Slave	
43SCA1-OTU3	
43SCA1-SONET/SDH	
43SCGE1	
43SCX4	
43SCX4E	
43STA1P	
43STX4	
43STX4P	
4DPA2	
4DPA4 FlexMux	
4DPA4 DualTran	
4QPA8	
A2325A	
A2P2125	
AHPHG	
AHPLG	
ALPFGK	
ALPFGT	
ALPHG	
AM2017B	
AM2125A	
AM2125B	
AM2318A	
AM2325B	
BTC	
10AN10G	
24ANM	
CWR8-88	
CWR8	
DCM	
HKPCNTL	

(2 of 4)

Name	Value
EC	
Fan Unit	
FLC	
10ET10G	
24ET1GB	
4AN10G	
8ET1GB	
ITLB	
ITLU	
MT0C	
MESH4	
MVAC8B	
MVAC	
OPSA	
OPSB	
OSC	
OSCT	
PF	
PTPCTL	
PTPIO	
RA2P	
SFC1A	
SFC1B	
SFC1C	
SFC1D	
SFC1E	
SFC1F	
SFC1G	
SFC1H	
SFC2A	
SFC2B	
SFC2C	
SFC2D	
SFC4A	
SFC4B	
SFC8	
SFD40B	

(3 of 4)

Name	Value
SFD40	
SFD44B	
SFD44	
SFD4A	
SFD4B	
SFD4C	
SFD4D	
SFD4E	
SFD4F	
SFD4G	
SFD4H	
SFD5A	
SFD5B	
SFD5C	
SFD5D	
SFD5E	
SFD5F	
SFD5G	
SFD5H	
SFD8A	
SFD8B	
SFD8C	
SFD8D	
SVAC	
11QCUPC	
130SCUP	
MXEC320H	
MTC1T9	
User Interface Panel	
WR2-88	
WR8-88A	
WR8-88AF	
WTOCMA	
WTOCM	

(4 of 4)

Table 16-6 Channel

Name	Value
Displayed name	Channel
OSS name	clientChannel
Type	INT
Minimum	1
Maximum	100
Tab|Panel	APS Group|General
Description	This Value is deduced from members value.

Table 16-7 Client ODUk Facility

Name	Value
Displayed name	Client ODUk Facility
OSS name	clientFacilityPointer
Type	POINTER
Tab|Panel	APS Group|General
Description	ODUk (TO) entity within the SNCP. If the client is the ODUPOOL the value should be empty, otherwise it should be the pointer to the client facility.

Table 16-8 Connection Direction

Name	Value
Displayed name	Connection Direction
OSS name	xcDirection
Type	optical.ApsXcDirection
Default	N/A
Tab|Panel	APS Group|APS Configuration
Description	It indicates the connection direction of the APS group.
Enumerated types	
Bidirectional	
N/A	
Unidirectional	

Table 16-9 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	50
Tab|Panel	APS Group|General
Description	The description of the APS group.

Table 16-10 Holdoff Time

Name	Value
Displayed name	Holdoff Time
OSS name	holdOffTimer
Type	INT
Minimum	0
Maximum	10000
Default	0
Units	milliseconds
Tab|Panel	APS Group|APS Configuration
Description	Hold off Time in milliseconds for automatic switching. Current configurable range:0 to 100000.

Table 16-11 Local

Name	Value
Displayed name	Local
OSS name	protectionPortLocalStatus
Type	optical.ApsMemberStatus
Tab|Panel	APS Group|Protection Port Status
Description	Corresponds to the local status mapped from tnOthOdukApsMemberCurrentStatus for the protection port.
Enumerated types	
Active	
Standby	
Unknown	

Table 16-12 Local

Name	Value
Displayed name	Local
OSS name	workingPortLocalStatus
Type	optical.ApsMemberStatus
Tab|Panel	APS Group|Working Port Status
Description	Corresponds to the local status mapped from tnOthOdukApsMemberCurrentStatus for the working port.
Enumerated types	
Active	
Standby	
Unknown	

Table 16-13 ODU1 PTF

Name	Value
Displayed name	ODU1 PTF
OSS name	clientCtp
Type	POINTER
Mandatory on creation	yes
Tab|Panel	APS Group|General
Description	Working Lo-oduK channel

Table 16-14 ODUk Protected Interface Type

Name	Value
Displayed name	ODUk Protected Interface Type
OSS name	endPointInterfaceType
Type	optical.EndPointInterfaceType
Default	N/A
Mandatory on creation	yes
Tab|Panel	APS Group|General
Description	The value is to determing whether 11dpm12 has the aps group with Client Port or ODU1PTF1
Enumerated types	
Client Port	
N/A	

(1 of 2)

Name	Value
ODU1PTF	

(2 of 2)

Table 16-15 Port

Name	Value
Displayed name	Port
OSS name	clientPort
Type	POINTER
Mandatory on creation	yes
Tab|Panel	APS Group|General
Description	Client port FDN of the APS group.

Table 16-16 Protection Method

Name	Value
Displayed name	Protection Method
OSS name	apsGroupMethod
Type	optical.ApsGroupMethod
Default	N/A
Tab|Panel	APS Group|APS Configuration
Description	The protection method of the working leg. Default is pnim for sncn and sncnc, and padapt for snci.
Enumerated types	
N/A	
P-ADAPT	
PNIM	
TCM 1	
TCM 2	
TCM 3	
TCM 4	
TCM 5	
TCM 6	

Table 16-17 Protection ODUk facility

Name	Value
Displayed name	Protection ODUk facility
OSS name	protectionCtp
Type	POINTER
Mandatory on creation	yes
Tab|Panel	APS Group|Protection
Description	Protection Lo-oduK channel

Table 16-18 Protection ODUk facility

Name	Value
Displayed name	Protection ODUk facility
OSS name	protectionFacilityPointer
Type	POINTER
Tab|Panel	APS Group|Protection
Description	ODUk (FROMED) entity within the SNCP.

Table 16-19 Protection Port

Name	Value
Displayed name	Protection Port
OSS name	protectionPort
Type	POINTER
Mandatory on creation	yes
Tab|Panel	APS Group|Protection
Description	Protection port FDN of the APS group.

Table 16-20 Protection Switch

Name	Value
Displayed name	Protection Switch
OSS name	protectionSwitch
Type	optical.ApsMemberSwitch
Default	No Cmd

(1 of 2)

Name	Value
Tab|Panel	APS Group|Protection Management
Description	This value is used to perform a protection switch on the working/protection APS Member
Enumerated types	
Clear	
Exercise	
Forced Switch To Working	
Forced Switch To Protection	
Protection Lockout	
Manual Switch To Working	
Manual Switch To Protection	
No Cmd	

(2 of 2)

Table 16-21 Protection VTS

Name	Value
Displayed name	Protection VTS
OSS name	protectionChannel
Type	INT
Minimum	1
Maximum	100
Tab|Panel	APS Group|Protection
Description	This Value is deduced from members value.

Table 16-22 Remote

Name	Value
Displayed name	Remote
OSS name	protectionPortRemoteStatus
Type	optical.ApsMemberStatus
Tab|Panel	APS Group|Protection Port Status
Description	Corresponds to the remote status mapped from tnOthOdukApsMemberCurrentStatus for the protection port.
Enumerated types	
Active	
Standby	

(1 of 2)

Name	Value
Unknown	

(2 of 2)

Table 16-23 Remote

Name	Value
Displayed name	Remote
OSS name	workingPortRemoteStatus
Type	optical.ApsMemberStatus
Tab|Panel	APS Group|Working Port Status
Description	Corresponds to the remote status mapped from tnOthOdukApsMemberCurrentStatus for the working port.
Enumerated types	
Active	
Standby	
Unknown	

Table 16-24 Request For

Name	Value
Displayed name	Request For
OSS name	requestFor
Type	optical.RequestFor
Tab|Panel	APS Group|Protection Management
Description	This Value is deduced from k1k2Trans.
Enumerated types	
Protection	
Working	

Table 16-25 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Tab|Panel	APS Group|General

(1 of 2)

Name	Value
Description	The id of the site that the APS group belongs to.

(2 of 2)

Table 16-26 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Tab|Panel	APS Group|General
Description	The name of the site that the APS group belongs to.

Table 16-27 Switch Direction

Name	Value
Displayed name	Switch Direction
OSS name	direction
Type	optical.ApsDirection
Default	Unidirectional
Tab|Panel	APS Group|APS Configuration
Description	The protection direction of the APS Group.
Enumerated types	
Bidirectional	
Unidirectional	

Table 16-28 Switch Status

Name	Value
Displayed name	Switch Status
OSS name	switchStatus
Type	optical.SwitchStatus
Tab|Panel	APS Group|Protection Management
Description	This Value is deduced from k1k2Trans.
Enumerated types	
Do Not Revert	
Forced Switch	

(1 of 2)

Name	Value
Manual Switch	
No Request	
Protection Lockout	
Reverse Request	
Signal Degrade	
Signal failure	
Unknown	
Wait To Restore	

(2 of 2)

Table 16-29 Type

Name	Value
Displayed name	Type
OSS name	revertMode
Type	optical.ApsRevertMode
Default	Non Revertive
Tab|Panel	APS Group|APS Configuration
Description	Indicates whether revertive or non-revertive APS Group.
Enumerated types	
Non Revertive	
Revertive	

Table 16-30 Wait to Restore

Name	Value
Displayed name	Wait to Restore
OSS name	waitToRestore
Type	optical.ApsWaitToRestore
Default	N/A
Units	min
Tab|Panel	APS Group|APS Configuration
Description	The wait-to-restore time for the revertive mode automatic switching. Corresponds to tnApsGroupWaitToRestore in the MIB.
Enumerated types	
1	
10	

(1 of 2)

Name	Value
11	
12	
13	
14	
15	
16	
17	
18	
19	
2	
20	
3	
4	
5	
6	
7	
8	
9	
N/A	

(2 of 2)

Table 16-31 Working ODUk facility

Name	Value
Displayed name	Working ODUk facility
OSS name	workingCtp
Type	POINTER
Mandatory on creation	yes
Tab|Panel	APS Group|Working
Description	Working Lo-oduK channel

Table 16-32 Working ODUk facility

Name	Value
Displayed name	Working ODUk facility
OSS name	workingFacilityPointer

(1 of 2)

Name	Value
Type	POINTER
Tab|Panel	APS Group|Working
Description	ODUk (FROMING) entity within the SNCP.

(2 of 2)

Table 16-33 Working Port

Name	Value
Displayed name	Working Port
OSS name	workingPort
Type	POINTER
Mandatory on creation	yes
Tab|Panel	APS Group|Working
Description	Working port FDN of the APS group.

Table 16-34 Working VTS

Name	Value
Displayed name	Working VTS
OSS name	workingChannel
Type	INT
Minimum	1
Maximum	100
Tab|Panel	APS Group|Working
Description	This Value is deduced from members value.

17 — Area

Table 17-1 Area parameters

Parameters	
Description ID Instance Id Name	Type Type Mismatch Version

Table 17-2 Description

Name	Value
Displayed name	Description
OSS name	areaDescription
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 17-3 ID

Name	Value
Displayed name	ID

(1 of 2)

Name	Value
OSS name	areaId
Type	INETADDR
Default	no
Mandatory on creation	yes
Tab|Panel	General|General

(2 of 2)

Table 17-4 Instance Id

Name	Value
Displayed name	Instance Id
OSS name	instanceIndex
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General
Description	Identifies a specific instance of a version of the OSPF protocol running in the router instance specified by the routerId.

Table 17-5 Name

Name	Value
Displayed name	Name
OSS name	areaName
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	General|General

Table 17-6 Type

Name	Value
Displayed name	Type
OSS name	areaType
Type	ospf.AreaType
Default	Standard (All LSAs)

(1 of 2)

Name	Value
Tab|Panel	General|General
Enumerated types	
Backbone	
NSSA (No Type 5 External)	
NSSA (No Summaries)	
Non-Stub	
Normal	
NSSA	
NSSA Totally Stub	
Stub	
Totally Stub	
Standard (All LSAs)	
Stub (No Type 5 External)	
Totally Stub (No Summaries)	

(2 of 2)

Table 17-7 Type Mismatch

Name	Value
Displayed name	Type Mismatch
OSS name	siteAreaTypeMismatch
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General

Table 17-8 Version

Name	Value
Displayed name	Version
OSS name	version
Type	INT
Default	v2
Mandatory on creation	yes
Tab|Panel	General|General

18 — Area Range

Table 18-1 Area Range parameters

Parameters	
Area	Prefix Length
Area Index	Routing Instance ID
Effect	Routing Instance Name
Link State DB Type	Site ID
Metric	Site Name
Network	Version

Table 18-2 Area

Name	Value
Displayed name	Area
OSS name	areaId
Type	INETADDR
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Routing Instance

Table 18-3 Area Index

Name	Value
Displayed name	Area Index
OSS name	areaInstanceIndex
Type	INT
Read-only	yes
Tab|Panel	General|General

Table 18-4 Effect

Name	Value
Displayed name	Effect
OSS name	effect
Type	INT
Default	advertiseMatching
Tab|Panel	General|General

Table 18-5 Link State DB Type

Name	Value
Displayed name	Link State DB Type
OSS name	lsdbType
Type	INT
Default	summaryLink
Mandatory on creation	yes
Tab|Panel	General|General

Table 18-6 Metric

Name	Value
Displayed name	Metric
OSS name	metric
Type	INT
Minimum	0
Maximum	65535

(1 of 2)

Name	Value
Default	0
Tab|Panel	General|General

(2 of 2)

Table 18-7 Network

Name	Value
Displayed name	Network
OSS name	network
Type	INETADDR
Default	0.0.0.0
Mandatory on creation	yes
Tab|Panel	General|General

Table 18-8 Prefix Length

Name	Value
Displayed name	Prefix Length
OSS name	prefixLength
Type	INT
Minimum	0
Maximum	128
Default	24
Mandatory on creation	yes
Tab|Panel	General|General

Table 18-9 Routing Instance ID

Name	Value
Displayed name	Routing Instance ID
OSS name	routerId
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Routing Instance

Table 18-10 Routing Instance Name

Name	Value
Displayed name	Routing Instance Name
OSS name	routerName
Type	STRING
Minimum	0
Maximum	32
Read-only	yes
Tab|Panel	General|Routing Instance

Table 18-11 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 18-12 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 18-13 Version

Name	Value
Displayed name	Version
OSS name	version
Type	INT
Default	2
Read-only	yes
Tab|Panel	General|Routing Instance

19 — Area Site

Table 19-1 Area Site parameters

Parameters	
ABR Default Route Cost	Name
Active Interfaces	NSSA Router Translation
Adjacency Check	Originate Default Route
Area Border Router Count	Redistribute External Routes
Area ID	Routing Instance ID
Area Index	Routing Instance Name
AS Border Router Count	Site ID
Blackhole Range	Site Name
Default Cost	Stub Support
DNS Opaque LSAs Distributed	Total Interfaces
Enable Advertise Router Capability	Total Virtual Links
Import AS Extern	Translator Role
Import Summary	Translator Stability Interval
Instance ID	Translator State
Loop-free Alternate Exclude	Type
LSA Checksum Sum	Version
MetricType	Virtual Link IP
Name	Wave Key Opaque LSAs Distributed

Table 19-2 ABR Default Route Cost

Name	Value
Displayed name	ABR Default Route Cost

(1 of 2)

Name	Value
OSS name	defaultCost
Type	INT
Minimum	0
Maximum	16777215
Default	10
Tab|Panel	General|General

(2 of 2)

Table 19-3 Active Interfaces

Name	Value
Displayed name	Active Interfaces
OSS name	activeInterfaces
Type	INT
Default	0
Read-only	yes
Tab|Panel	Counters|Counters

Table 19-4 Adjacency Check

Name	Value
Displayed name	Adjacency Check
OSS name	adjacencyCheck
Type	BOOL
Default	false
Tab|Panel	Stub/NSSA|NSSA
Description	This specifies whether or not adjacency checks shall be performed for the NSSA. If the value is 'false', then no checks are done. If the value is 'true', then adjacency checks will be done.

Table 19-5 Area Border Router Count

Name	Value
Displayed name	Area Border Router Count
OSS name	areaBorderRouterCount
Type	INT
Default	0

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	Counters|General

(2 of 2)

Table 19-6 Area ID

Name	Value
Displayed name	Area ID
OSS name	areaId
Type	INETADDR
Default	no
Mandatory on creation	yes
Tab|Panel	General|General

Table 19-7 Area Index

Name	Value
Displayed name	Area Index
OSS name	areaInstanceIndex
Type	INT
Tab|Panel	General|General

Table 19-8 AS Border Router Count

Name	Value
Displayed name	AS Border Router Count
OSS name	autonomousSystemBorderRouterCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	Counters|General

Table 19-9 Blackhole Range

Name	Value
Displayed name	Blackhole Range
OSS name	rangeBlackhole
Type	BOOL
Default	true
Tab|Panel	General|General

Table 19-10 Default Cost

Name	Value
Displayed name	Default Cost
OSS name	metric
Type	INT
Minimum	1
Maximum	16777215
Default	1
Tab|Panel	Stub/NSSA|Stub

Table 19-11 DNS Opaque LSAs Distributed

Name	Value
Displayed name	DNS Opaque LSAs Distributed
OSS name	dnsOpaqueLsa
Type	ospf.YesNo
Default	Yes
Tab|Panel	General|General
Enumerated types	
No	
Yes	

Table 19-12 Enable Advertise Router Capability

Name	Value
Displayed name	Enable Advertise Router Capability

(1 of 2)

Name	Value
OSS name	areaAdvRtrCapability
Type	BOOL
Default	true
Tab|Panel	General|General
Description	The value of areaAdvRtrCapability specifies whether or not advertise-router-capabilities are enabled at area level.

(2 of 2)

Table 19-13 Import AS Extern

Name	Value
Displayed name	Import AS Extern
OSS name	importAsExtern
Type	INT
Default	importExternal
Read-only	yes
Tab|Panel	General|General

Table 19-14 Import Summary

Name	Value
Displayed name	Import Summary
OSS name	areaSummary
Type	INT
Default	sendAreaSummary
Read-only	yes
Tab|Panel	Stub/NSSA|General

Table 19-15 Instance ID

Name	Value
Displayed name	Instance ID
OSS name	instanceIndex
Type	LONG
Default	0
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|General
Description	Identifies a specific instance of a version of the OSPF protocol running in the router instance specified by the routerId.

(2 of 2)

Table 19-16 Loop-free Alternate Exclude

Name	Value
Displayed name	Loop-free Alternate Exclude
OSS name	loopfreeAlternateExclude
Type	BOOL
Default	false
Tab|Panel	General|General
Description	The value of loopfreeAlternateExclude specifies whether or not the OSPF area should be excluded during LFA calculations. The value of loopfreeAlternateExclude is only valid when OSPF Site loopfreeAlternate has a value of 'true'.

Table 19-17 LSA Checksum Sum

Name	Value
Displayed name	LSA Checksum Sum
OSS name	lsaChecksumSum
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|General
Description	Checksum of all AS-scoped LSAs in the database.

Table 19-18 MetricType

Name	Value
Displayed name	MetricType
OSS name	metricType
Type	INT
Default	ospfMetric
Tab|Panel	Stub/NSSA|Stub

Table 19-19 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 19-20 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Routing Instance

Table 19-21 NSSA Router Translation

Name	Value
Displayed name	NSSA Router Translation
OSS name	nssaTranslate
Type	ospf.OptNssaTranslateType
Default	Candidate
Tab|Panel	General|General
Enumerated types	
Always	
Candidate	
Never	
NotApplicable	

Table 19-22 Originate Default Route

Name	Value
Displayed name	Originate Default Route
OSS name	originateDefault
Type	INT
Default	noOriginate
Tab|Panel	Stub/NSSA|NSSA

Table 19-23 Redistribute External Routes

Name	Value
Displayed name	Redistribute External Routes
OSS name	nssaRedistribute
Type	BOOL
Default	true
Tab|Panel	Stub/NSSA|NSSA

Table 19-24 Routing Instance ID

Name	Value
Displayed name	Routing Instance ID
OSS name	routerId
Type	INT
Minimum	1
Maximum	10240
Default	1
Read-only	yes
Tab|Panel	General|Routing Instance

Table 19-25 Routing Instance Name

Name	Value
Displayed name	Routing Instance Name
OSS name	routerName
Type	STRING

(1 of 2)

Name	Value
Minimum	0
Maximum	32
Read-only	yes
Tab|Panel	General|Routing Instance

(2 of 2)

Table 19-26 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 19-27 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 19-28 Stub Support

Name	Value
Displayed name	Stub Support
OSS name	stubSupport
Type	BOOL
Default	false
Tab|Panel	Stub/NSSA|Stub
Description	Applicable to AOS nodes only.

Table 19-29 Total Interfaces

Name	Value
Displayed name	Total Interfaces
OSS name	totalInterfaces
Type	INT
Default	0
Read-only	yes
Tab|Panel	Counters|Counters

Table 19-30 Total Virtual Links

Name	Value
Displayed name	Total Virtual Links
OSS name	totalVirtualLinks
Type	INT
Default	0
Read-only	yes
Tab|Panel	Counters|Counters

Table 19-31 Translator Role

Name	Value
Displayed name	Translator Role
OSS name	nssaTranslatorRole
Type	INT
Default	candidate
Read-only	yes
Tab|Panel	Stub/NSSA|NSSA

Table 19-32 Translator Stability Interval

Name	Value
Displayed name	Translator Stability Interval
OSS name	nssaTranslatorStabilityInterval
Type	INT

(1 of 2)

Name	Value
Default	40
Read-only	yes
Tab|Panel	Stub/NSSA|NSSA

(2 of 2)

Table 19-33 Translator State

Name	Value
Displayed name	Translator State
OSS name	nssaTranslatorState
Type	INT
Default	disabled
Read-only	yes
Tab|Panel	Stub/NSSA|NSSA

Table 19-34 Type

Name	Value
Displayed name	Type
OSS name	areaType
Type	ospf.AreaType
Default	Standard (All LSAs)
Tab|Panel	General|General
Enumerated types	
Backbone	
NSSA (No Type 5 External)	
NSSA (No Summaries)	
Non-Stub	
Normal	
NSSA	
NSSA Totally Stub	
Stub	
Totally Stub	
Standard (All LSAs)	
Stub (No Type 5 External)	
Totally Stub (No Summaries)	

Table 19-35 Version

Name	Value
Displayed name	Version
OSS name	version
Type	INT
Default	2
Read-only	yes
Tab|Panel	General|General

Table 19-36 Virtual Link IP

Name	Value
Displayed name	Virtual Link IP
OSS name	virtualLinkIp
Type	INETADDR
Default	0.0.0.0
Tab|Panel	General|General

Table 19-37 Wave Key Opaque LSAs Distributed

Name	Value
Displayed name	Wave Key Opaque LSAs Distributed
OSS name	wavekeyOpaqueLsa
Type	ospf.YesNo
Default	Yes
Tab|Panel	General|General
Enumerated types	
No	
Yes	

20 — BackupPolicy

Table 20-1 BackupPolicy parameters

Parameters	
Auto Backup Scheme	Policy ID
Auto Backup Threshold	Policy Type
Auto Purge Scheme	Root Directory
Auto Reboot After Successful Restore	Save Certified Directory
Backup 7705 Radio Database	Save Certified Directory
Boot Option File Mode	Save Network Directory
CLI Config File Mode	Scheduled Backup Interval
CLI Config Save Details	Scheduled Backup Scheme
CLI Debug Save Config File Mode	Scheduled Backup Sync Time
Command to Apply After Backup	Scheduled Backup Threshold
Enable Backup	Server IP
File Compression	SFTP/FTP Password
File Compression	SFTP/FTP Password
File Compression	SFTP/FTP Server Port
File Compression	SFTP/FTP User ID
File Transfer Server Port	SFTP/FTP User ID
Maximum Backup Age	Transfer Protocol
Name	Transfer Protocol
Number Of Backups	Use Active Server

Table 20-2 Auto Backup Scheme

Name	Value
Displayed name	Auto Backup Scheme
OSS name	autoBackupScheme
Type	mediation.AutoBackupScheme
Default	No Auto-backup
Tab|Panel	General|Backup Triggering
Description	Used to determine whether 5620 SAM server shall perform a node backup, after initiating a number of config saves as specified by the "autoBackupSchemeTreshold".
Enumerated types	
Every Nth 5620 SAM Server Initiated Save	
Every 5620 SAM Server Initiated Save	
No Auto-backup	

Table 20-3 Auto Backup Threshold

Name	Value
Displayed name	Auto Backup Threshold
OSS name	autoBackupSchemeTreshold
Type	INT
Minimum	0
Maximum	1000
Default	0
Units	operations
Tab|Panel	General|Backup Triggering
Description	Works in conjunction with the Auto Backup Scheme parameter, to specify the number of configuration saves that occur, before the 5620 SAM server performs a node backup.

Table 20-4 Auto Purge Scheme

Name	Value
Displayed name	Auto Purge Scheme
OSS name	purgeMode
Type	mediation.BackupPurgeMode
Default	Limit To A Maximum Number Of Backups
Tab|Panel	General|Backup Purging

(1 of 2)

Name	Value
Description	Specifies the criteria, used by the 5620 SAM server during a cleanup of backups, to determine when and which backup files to delete from the 5620 SAM database.
Enumerated types	
By Age	
By Age But Limit To A Maximum Number Of Backups	
By Age But Retain A Minimum Number Of Backups	
Limit To A Maximum Number Of Backups	

(2 of 2)

Table 20-5 Auto Reboot After Successful Restore

Name	Value
Displayed name	Auto Reboot After Successful Restore
OSS name	isAutoReboot
Type	BOOL
Default	false
Tab|Panel	General|Auto Reboot
Description	Specifies whether to reboot the node, after a successful transfer of config/BOF files, to the node, on a restore operation.

Table 20-6 Backup 7705 Radio Database

Name	Value
Displayed name	Backup 7705 Radio Database
OSS name	sarRadioDbFileBackupMode
Type	BOOL
Default	false
Tab|Panel	General|Backup Settings
Description	Specifies whether and when to backup the 7705 radio database files as a part of the backup operation. Possible values are true/false. The radio databases are saved on each admin save.

Table 20-7 Boot Option File Mode

Name	Value
Displayed name	Boot Option File Mode
OSS name	bootOptionFileBackupMode

(1 of 2)

Name	Value
Type	mediation.FileBackupMode
Default	Always
Tab|Panel	General|Backup Settings
Description	Specifies whether and when to backup the config files as a part of the backup operation. Possible values are always, never (disabled) or whenever a new version is detected.
Enumerated types	
Always	
Disabled	
New Version Only	

(2 of 2)

Table 20-8 CLI Config File Mode

Name	Value
Displayed name	CLI Config File Mode
OSS name	cliConfigFileBackupMode
Type	mediation.FileBackupMode
Default	Always
Tab|Panel	General|Backup Settings
Description	Specifies whether and when to backup the config files as a part of the backup operation. Possible values are always, never (disabled) or whenever a new version is detected.
Enumerated types	
Always	
Disabled	
New Version Only	

Table 20-9 CLI Config Save Details

Name	Value
Displayed name	CLI Config Save Details
OSS name	cliConfigSaveDetails
Type	BOOL
Default	false
Tab|Panel	General|Backup Settings
Description	Specifies whether to backup a basic configuration file or a detailed one.

Table 20-10 CLI Debug Save Config File Mode

Name	Value
Displayed name	CLI Debug Save Config File Mode
OSS name	debugConfigFileBackupMode
Type	BOOL
Default	false
Tab|Panel	General|Backup Settings
Description	Specifies whether to backup the debug config files as a part of the backup operation.

Table 20-11 Command to Apply After Backup

Name	Value
Displayed name	Command to Apply After Backup
OSS name	commandToApply
Type	sw.AosVersionMngt
Default	No command applied
Tab|Panel	General|AOS Backup Settings
Description	Specifies the software control module command to apply after successful backup
Enumerated types	
Reload	
Certify	
Certify and Synchro	
Flash Synchro	
Issu	
No command applied	
Copy certified to working	

Table 20-12 Enable Backup

Name	Value
Displayed name	Enable Backup
OSS name	enableBackup
Type	BOOL
Default	true
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	Indicates whether backups are enabled for this Backup Policy.

(2 of 2)

Table 20-13 File Compression

Name	Value
Displayed name	File Compression
OSS name	compressionMode
Type	mediation.BackupCompressionMode
Default	None
Tab|Panel	General|AOS Backup Settings
Description	Specifies the compression format to be used for the backup files. Possible values - GZIP, ZIP, no compression.
Enumerated types	
GZIP	
None	
ZIP	

Table 20-14 File Compression

Name	Value
Displayed name	File Compression
OSS name	compressionMode
Type	mediation.BackupCompressionMode
Default	None
Tab|Panel	General|Backup Settings
Description	Specifies the compression format to be used for the backup files. Possible values - GZIP, ZIP, no compression.
Enumerated types	
GZIP	
None	
ZIP	

Table 20-15 File Compression

Name	Value
Displayed name	File Compression

(1 of 2)

Name	Value
OSS name	compressionMode
Type	mediation.BackupCompressionMode
Default	None
Tab|Panel	General|MPR Backup Settings
Description	Specifies the compression format to be used for the backup files. Possible values - GZIP, ZIP, no compression.
Enumerated types	
GZIP	
None	
ZIP	

(2 of 2)

Table 20-16 File Compression

Name	Value
Displayed name	File Compression
OSS name	compressionMode
Type	mediation.BackupCompressionMode
Default	None
Tab|Panel	General|PSS Backup/Restore Settings
Description	Specifies the compression format to be used for the backup files. Possible values - GZIP, ZIP, no compression.
Enumerated types	
GZIP	
None	
ZIP	

Table 20-17 File Transfer Server Port

Name	Value
Displayed name	File Transfer Server Port
OSS name	ftpServerPort
Type	INT
Default	21
Tab|Panel	General|PSS Backup/Restore Settings

Table 20-18 Maximum Backup Age

Name	Value
Displayed name	Maximum Backup Age
OSS name	maxBackupAge
Type	INT
Minimum	0
Maximum	365
Default	100
Units	days
Tab|Panel	General|Backup Purging
Description	Specifies the number of days a backup is kept before deleting it. Works in conjunction with purgeMode attribute.

Table 20-19 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General
Description	Specifies the name assigned to this backup policy.

Table 20-20 Number Of Backups

Name	Value
Displayed name	Number Of Backups
OSS name	numBackupsToKeep
Type	INT
Minimum	1
Maximum	365
Default	30
Tab|Panel	General|Backup Purging
Description	Specifies how many backups to keep at a time. Works in conjunction with purgeMode attribute.

Table 20-21 Policy ID

Name	Value
Displayed name	Policy ID
OSS name	policyId
Type	INT
Minimum	1
Maximum	65535
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	Specifies the id assigned to this backup policy.

Table 20-22 Policy Type

Name	Value
Displayed name	Policy Type
OSS name	policyType
Type	mediation.PolicyType
Default	SR Based Node
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
AOS Based Node	
MME Node	
MPR Node	
1830 PSS Node	
eNodeB Node	
SR Based Node	

Table 20-23 Root Directory

Name	Value
Displayed name	Root Directory
OSS name	ftpRootDir
Type	STRING
Minimum	0

(1 of 2)

Name	Value
Maximum	255
Default	/
Tab|Panel	General|eNodeB Backup Settings

(2 of 2)

Table 20-24 Save Certified Directory

Name	Value
Displayed name	Save Certified Directory
OSS name	saveCertifyDir
Type	BOOL
Default	true
Tab|Panel	General|AOS Backup Settings

Table 20-25 Save Certified Directory

Name	Value
Displayed name	Save Certified Directory
OSS name	saveCertifyDir
Type	BOOL
Default	true
Tab|Panel	General|MPR Backup Settings

Table 20-26 Save Network Directory

Name	Value
Displayed name	Save Network Directory
OSS name	saveNetworkDir
Type	BOOL
Default	false
Tab|Panel	General|AOS Backup Settings

Table 20-27 Scheduled Backup Interval

Name	Value
Displayed name	Scheduled Backup Interval
OSS name	scheduledBackupFrequency
Type	mediation.ScheduledBackupFrequency
Default	24 hours
Tab|Panel	General|Backup Triggering
Description	Used in conjunction with scheduleBackupScheme, to specify how often to perform the backups.
Enumerated types	
12 hours	
15 minutes	
1 hour	
24 hours	
2 hours	
30 minutes	
3 hours	
48 hours	
6 hours	

Table 20-28 Scheduled Backup Scheme

Name	Value
Displayed name	Scheduled Backup Scheme
OSS name	scheduledBackupScheme
Type	mediation.ScheduledBackupScheme
Default	Every Scheduled Interval
Tab|Panel	General|Backup Triggering
Description	Specifies that the node backups occur at regular intervals, as specified by the scheduledBackupFrequency attribute.
Enumerated types	
Every Scheduled Interval	
Every Scheduled Interval If 5620 SAM Server Initiated Save Performed	
No Scheduled Backup	

Table 20-29 Scheduled Backup Sync Time

Name	Value
Displayed name	Scheduled Backup Sync Time
OSS name	scheduledBackupSyncTime
Type	DATE
Default	0
Tab|Panel	General|Backup Triggering
Description	Specifies the scheduled backup start time.

Table 20-30 Scheduled Backup Threshold

Name	Value
Displayed name	Scheduled Backup Threshold
OSS name	scheduledBackupTreshold
Type	INT
Minimum	0
Maximum	1000
Default	0
Units	operations
Tab|Panel	General|Backup Triggering
Description	Specifies the number of times that a backup retry occurs, if a backup fails.

Table 20-31 Server IP

Name	Value
Displayed name	Server IP
OSS name	ftpServerIP
Type	INETADDR
Default	127.0.0.1
Tab|Panel	General|PSS Backup/Restore Settings

Table 20-32 SFTP/FTP Password

Name	Value
Displayed name	SFTP/FTP Password

(1 of 2)

Name	Value
OSS name	ftpPassword
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|eNodeB Backup Settings

(2 of 2)

Table 20-33 SFTP/FTP Password

Name	Value
Displayed name	SFTP/FTP Password
OSS name	ftpPassword
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|PSS Backup/Restore Settings

Table 20-34 SFTP/FTP Server Port

Name	Value
Displayed name	SFTP/FTP Server Port
OSS name	ftpServerPort
Type	INT
Default	21
Tab|Panel	General|eNodeB Backup Settings

Table 20-35 SFTP/FTP User ID

Name	Value
Displayed name	SFTP/FTP User ID
OSS name	ftpUser
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|eNodeB Backup Settings

Table 20-36 SFTP/FTP User ID

Name	Value
Displayed name	SFTP/FTP User ID
OSS name	ftpUser
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|PSS Backup/Restore Settings

Table 20-37 Transfer Protocol

Name	Value
Displayed name	Transfer Protocol
OSS name	ftpType
Type	mediation.FtpType
Default	FTP
Tab|Panel	General|eNodeB Backup Settings
Enumerated types	
FTP	
SFTP	
TFTP	

Table 20-38 Transfer Protocol

Name	Value
Displayed name	Transfer Protocol
OSS name	ftpType
Type	mediation.FtpType
Default	FTP
Tab|Panel	General|PSS Backup/Restore Settings
Enumerated types	
FTP	
SFTP	
TFTP	

Table 20-39 Use Active Server

Name	Value
Displayed name	Use Active Server
OSS name	useActiveServer
Type	BOOL
Default	true
Tab|Panel	General|PSS Backup/Restore Settings

21 — Base Card

Table 21-1 Base Card parameters

Parameters	
Administrative State	Last Occurred
Background Diagnostics Fault Reason	Last Occurred
Background Diagnostics State	Last Occurred
Boot Code Version	Last Occurred
CAM Error Count (Complex 0)	Last Occurred
CAM Error Count (Complex 1)	Last Occurred
Card Type	Last Occurred
CLEI Code	Last Occurred
Datapath Cell Error Count (Complex 0)	Last Occurred
Datapath Cell Error Count (Complex 1)	Last Occurred
Datapath Error Count (Complex 0)	Last Occurred
Datapath Error Count (Complex 1)	Last Occurred
Egress FCS Error Count (Complex 0)	Manufacture Date
Egress FCS Error Count (Complex 1)	Manufacturer
Equipped	Manufacturing Assembly No
Hardware Class	Manufacturing Deviations
Ingress FCS Error Count (Complex 0)	Manufacturing Variant
Ingress FCS Error Count (Complex 1)	Memory Error Count (Complex 0)
Last Boot Up Reason	Memory Error Count (Complex 0)
Last Occurred	Memory Error Count (Complex 0)
Last Occurred	Memory Error Count (Complex 1)
Last Occurred	Memory Error Count (Complex 1)
Last Occurred	Memory Error Count (Complex 1)
Last Occurred	Memory Parity Error Count (Complex 0)
Last Occurred	Memory Parity Error Count (Complex 1)

(1 of 2)

Parameters	
Memory Size	Site ID
Number Of Daughter Card Slots	Site Name
Number Of Installed Daughter Cards	Site Name
Operational State	Slot ID
Part Number	Slot Name
Pool Mode	Software Version
Serial Number	Source Cards of Egress FCS Errors (Complex 0)
Shelf ID	Source Cards of Egress FCS Errors (Complex 1)
Shelf Type	System Resource Profile Policy
Site ID	

(2 of 2)

Table 21-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	equipment.AdministrativeState
Default	Unknown
Tab|Panel	General|Equipment
Enumerated types	
Diagnose	
Up	
Locked	
Maintenance	
Unknown	
Not Relevant	
Operate Switch	
Down	
Shutting Down	
Unlocked	

Table 21-3 Background Diagnostics Fault Reason

Name	Value
Displayed name	Background Diagnostics Fault Reason
OSS name	backgroundDiagnosticsFaultReason
Type	STRING
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 21-4 Background Diagnostics State

Name	Value
Displayed name	Background Diagnostics State
OSS name	backgroundDiagnosticsState
Type	equipment.BackgroundDiagnosticsStateType
Default	Unknown
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
Critical Fault Detected	
Fault Detected	
N/A	
Ok	
Unknown	

Table 21-5 Boot Code Version

Name	Value
Displayed name	Boot Code Version
OSS name	bootEpromVersion
Type	STRING
Minimum	0
Maximum	80
Read-only	yes
Tab|Panel	General|Card Details

Table 21-6 CAM Error Count (Complex 0)

Name	Value
Displayed name	CAM Error Count (Complex 0)
OSS name	complex1CAMErrorCount
Type	INT

(1 of 2)

Name	Value
Default	0
Read-only	yes
Tab|Panel	General|CAM Errors

(2 of 2)

Table 21-7 CAM Error Count (Complex 1)

Name	Value
Displayed name	CAM Error Count (Complex 1)
OSS name	complex2CAMErrorCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|CAM Errors

Table 21-8 Card Type

Name	Value
Displayed name	Card Type
OSS name	specificType
Type	equipment.CardType
Default	No Processor/Base Card
Mandatory on creation	yes
Tab|Panel	General|Slot Details
Enumerated types	
OS10K-CFM	
OS10K-CMM	
48-Port Gig Ethernet TX (OS10K-GNI-C48E)	
48-Port Gig Ethernet SFP (OS10K-GNI-U48E)	
4-Port 40 Gig Ethernet QSFP+ (OS10K-QNI-U4E)	
8-Port 40 Gig Ethernet QSFP+ (OS10K-QNI-U8E)	
16-Port 10 Gig Ethernet SFP+ (OS10K-XNI-U16E)	
32-Port 10 Gig Ethernet SFP+ (OS10K-XNI-U32E)	
32-Port 10 Gig Ethernet SFP+ (OS10K-XNI-U32S)	
24-Port Fast Ethernet SME(24 TX, 2 Dual TX/FX)	
24-Port Fast Ethernet SME(24 TX, 2 Dual TX/FX) with DC Power Supply	

(1 of 12)

Name	Value
24-Port Fast Ethernet Metro(24 TX, 2 Dual TX/FX)	
24-Port PoE Gig Ethernet SME(24 TX, 2 Dual TX/FX)	
8-Port Fast Ethernet Metro(8 TX, 2 Dual TX/FX)	
24-Port PoE Gig Ethernet(4 Dual TX/FX, 20 TX)	
24-Port Gig Ethernet (4 Dual TX/FX, 20 TX)	
24-Port Gig Ethernet (2 Dual TX/FX, 22 FX)	
24-Port Gig Ethernet (2 Dual TX/FX, 22 FX) with Internal DC Power Supply	
48-Port PoE Gig Ethernet(4 Dual TX/FX, 44 TX)	
48-Port Gig Ethernet (4 Dual TX/FX, 44 TX)	
10-Port PoE Fast/Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
10-Port Fast/Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
10-Port PoE Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
10-Port Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
24-Port Gig Ethernet(22 FX, 4 Dual TX/FX)	
24-Port PoE Fast/Gig Ethernet(24 TX, 2 Dual TX/FX)	
24-Port Fast/Gig Ethernet(24 TX, 2 SFP)	
24-Port PoE Gig Ethernet(24 TX, 2 Dual TX/FX)	
24-Port Gig Ethernet(24 TX, 2 SFP)	
48-Port PoE Fast/Gig Ethernet(48 TX, 2 SFP)	
48-Port Fast/Gig Ethernet(48 TX, 2 SFP)	
48-Port PoE Gig Ethernet(48 TX, 2 SFP)	
48-Port Gig Ethernet(48 TX, 2 SFP)	
24-Port (20 x PoE Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
24-Port (20 x Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
24-Port PoE Gig Ethernet(20 TX, 4 Dual TX/FX)	
24-Port PoE Gig Ethernet (20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP	
24-Port Gig Ethernet (20 TX, 4 Dual TX/FX)	
24-Port Gig Ethernet (20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP	
24-Port Gig Ethernet (22 FX, 2 Dual TX/FX) + 2 x 10-GigE XFP	
48-Port (44 x PoE Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
48-Port (44 x Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
48-Port PoE Gig Ethernet(44 TX, 4 Dual TX/FX)	
48-Port Gig Ethernet (44 TX, 4 Dual TX/FX)	
48-Port PoE Gig Ethernet + 2 x 10-GigE XFP	
48-Port Gig Ethernet + 2 x 10-GigE XFP	
24-Port PoE Gig Ethernet (20 TX, 4 Dual TX/FX) - E	
24-Port PoE Gig Ethernet (20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP - E	

(2 of 12)

Name	Value
24-Port Gig Ethernet(20 TX, 4 Dual TX/FX) - E	
24-Port Gig Ethernet(20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP - E	
24-Port Gig Ethernet (22 FX, 2 Dual TX/FX) + 2 x 10-GigE XFP - E	
48-Port PoE Gig Ethernet (44 TX, 4 Dual TX/FX) - E	
48-Port Gig Ethernet(44 TX, 4 Dual TX/FX) - E	
48-Port PoE Gig Ethernet (46 TX, 2 Dual TX/FX) + 2 x 10-GigE XFP - E	
48-Port Gig Ethernet (46 TX, 2 Dual TX/FX) + 2 x 10-GigE XFP - E	
24-Port Gig Ethernet (20 TX (4 PoE), 4 Dual TX/FX)	
24-Port Gig Ethernet (22 FX, 2 TX/FX)	
24-Port Gig Ethernet (22 FX, 2 TX/FX, 2 FX/STK)	
10-Port Gig Ethernet (8 FX, 2 TX)	
14-Port Gig Ethernet (12 TX (4 PoE), 2 FX)	
6-Port Gig Ethernet (4 x 10 Gig SFP+, 2 x 40 Gig QSFP+) (OS-HNI-U6)	
3-Port 40 Gig Ethernet QSFP+ (OS-QNI-U3)	
20-Port 10 Gig Ethernet (OS6900-T20)	
40-Port 10 Gig Ethernet (OS6900-T40)	
20-Port 10 Gig Ethernet SFP+ (OS6900-X20)	
40-Port 10 Gig Ethernet SFP+ (OS6900-X40)	
8-Port 10 Gig Ethernet (OS-XNI-T8)	
12-Port 10 Gig Ethernet SFP+ (OS-XNI-U12)	
4-Port 10 Gig Ethernet SFP+ (OS-XNI-U4)	
22-Port Gig Ethernet (20 TX, 2 FX) (OS9-GNI-C20L)	
24-Port Gig Ethernet TX (OS9-GNI-C24)	
24-Port Gig Ethernet TX (OS9-GNI-C24E)	
48-Port Gig Ethernet TX (OS9-GNI-C48T)	
24-Port PoE Gig Ethernet TX (OS9-GNI-P24)	
24-Port PoE Gig Ethernet TX (OS9-GNI-P24E)	
24-Port Gig Ethernet FX (OS9-GNI-U24)	
24-Port Gig Ethernet FX (OS9-GNI-U24E)	
12-Port 10 Gig Ethernet SFP+ (OS9-XNI-U12E)	
2-Port 10 Gig Ethernet XFP (OS9-XNI-U2)	
2-Port 10 Gig Ethernet XFP (OS9-XNI-U2E)	
6-Port 10 Gig Ethernet XFP (OS9-XNI-U6)	
OS9600-CMM	
OS9700-CMM	
OS9700E-CMM	
OS9800-CMM	

(3 of 12)

Name	Value
OS9800E-CMM	
ATCA Hub	
ATCA Blade	
ATCA Molene Blade	
ATCA ShMC	
7710 CFM	
CFM-XP	
7750-SRc4 CFM-C4-XP	
CFM-XP-B	
CPM X16	
CPM X20	
7705 1g/10g CSM	
7705 1g CSM	
7705 2.5g CSM	
7705 SAR-8 1g/10g CSM	
HP Workstation	
10-Port GIGE SFP IMM	
10-Port GIGE SFP + 1-Port 10GE XFP IMM	
12-Port 10GE SF IMM	
1-Port 100GE CFP IMM	
1-Port 40GE CFP IMM	
1-Port 40GE OTU3 Long Reach DWDM Tunable IMM	
1-Port OC768 OTU3 Long Reach DWDM Tunable IMM	
2-Port 10GE XFP IMM	
3-Port 40GIGE QSFP IMM	
40-Port 10GE SFP+ IMM	
48-Port GIGE SFP IMM	
48-Port GIGE SFP IMM, B	
48-Port GIGE TX IMM	
48-Port GIGE TX IMM, B	
4-Port 100GE CXP IMM	
4-Port 10GE XFP IMM	
5-Port 10GE XFP IMM	
8-Port 10GE XFP IMM	
8-Port 10GE XFP IMM, B	
1-PAC FP3 IMM	
2-PAC FP3 IMM	

(4 of 12)

Name	Value
2 x 10-Gig MDA IOM 2	
2 x XP MDA IOM 3	
2 x XP MDA IOM 3, B	
2 x XP MDA IOM 3, C	
2 x 10-Gig MDA Oversubscribed IOM Card	
7710 IOM	
7705 IOM	
2 x 10-Gig MDA IOM	
2 x 10-Gig MDA IOM Card, B	
24-Port Gig Ethernet(20 FX, 4 Dual TX/FX)	
24-Port Gig Ethernet(20 TX, 4 Dual TX/FX)	
24-Port Fast-Ethernet	
24-Port Fast-Ethernet FX	
IOM-XP	
48-Port Fast-Ethernet	
7750-SRc4 IOM-C4-XP	
2 x 10/40 Gig MDA IOM card	
7210 IOM	
IOM (CPAA)	
IOM-XP-B	
ISM Mobile	
ISM Mobile B	
M-SFM4-12e	
M-SFM5-12e	
No MCM Card	
Unsupported MCM Card	
MCM-v1	
MCM-XP	
Controller	
Eth Card-A	
Eth Card-B	
Power Amplifier-A	
Power Amplifier-B	
Power Supply-A	
Power Supply-B	
Receiver-A	
Receiver-B	

(5 of 12)

Name	Value
Relay Card	
TMN Card	
Transmitter-A	
Transmitter-B	
16 x E1 (ASAP)	
AUX	
CORE	
CORE-ENH	
EASv2	
1 x Radio Modem	
MSS1	
2 x DS3	
2 x STM	
1 x STM (Channelized)	
32 x E1	
32 x DS1	
2+2 x Ethernet (EAS)	
4+4 x Ethernet (EAS)	
MPRe IOM	
PDN Gateway	
200g CPM / Switch Fabric 2	
400g CPM / Switch Fabric 2	
80g CPM / Switch Fabric 2	
1 Tb CPM / Switch Fabric 4	
CPM / Switch Fabric 4 E	
500g CPM / Switch Fabric 4	
CPM / Switch Fabric 5 E	
100g CPM / Switch Fabric	
200g CPM / Switch Fabric	
250g CPM / Switch Fabric 3	
400g CPM / Switch Fabric	
7210 CPM, Internal	
500g CPM / Switch Fabric 3	
NUAGE-1 VSC CPM	
NUAGE-1 CPM	
120g CPM / Switch Fabric	
SFM X16	

(6 of 12)

Name	Value
SFM X16 B	
SFM X20	
SFM X20 B	
SFM X20S B	
Sun Workstation	
X4170	
XCM X16	
XCM X20	
Base Band	
Board	
Control Board	
SFAN	
SBBU Extension Card	
SBBU Interface Card	
4 x DS1/E1 CE	
12 x 100/1000 SFP + 12 x 10/100/1000 Ethernet	
24 x 10/100/1000 Ethernet SFP	
24 x 10/100/1000 Ethernet SFP + 2 x 10 GigE XFP	
2 x 10 GigE XFP	
6 x 100/1000 SFP + 4 x 10/100/1000 Ethernet	
12 x 10/100/1000 Ethernet SFP + 10 Copper + 4 x 10 GigE XFP	
4 X MWA Gig Ethernet (2 TX, 2 SFP) + 4 X Gig Ethernet SFP	
i8 x MWA Gig Ethernet (100/1000 SFP, 10/100/1000 RJ45) + 4 x FE (10/100 RJ45)	
12 x Serial Data	
16 x Channelized DS1/E1 ASAP	
16 x Channelized DS1/E1 ASAP v2	
i16 x Channelized DS1/E1 ASAP	
i16 x Channelized DS1/E1 ASAP v2	
2 x 10-Gig Bridged Ethernet XFP + 1 x 2.5G Virtual Ethernet	
2 x Channelized OC3/STM1 ASAP SFP	
32 x Channelized DS1/E1 ASAP v2	
i3 x 10/100/1000 Copper Ethernet + 4 x 10/100/1000 Ethernet SFP	
4 x Channelized DS3/E3 ASAP	
2 x Serial Data + 2 x Channelized DS1/E1	
4 x OC3/STM1 ASAP SFP	
6 x 10/100 Ethernet + 2 x 10/100/1000 Ethernet SFP	
6 x 10/100 Ethernet + 2 x 10/100/1000 Ethernet SFP v2	

(7 of 12)

Name	Value
i8 x 10/100/1000 Ethernet SFP v3	
6 x EM	
6 x FXS Interface	
8 x 10/100/1000 Ethernet SFP	
8 x 10/100/1000 Ethernet SFP v2	
8 x 10/100/1000 Ethernet SFP v3	
i8 x Channelized DS1/E1 ASAP	
8 x FXO Interface	
8 x Voice Teleprotection Interface	
Auxiliary Alarm	
1 x Gig Ethernet SFP CMA	
1 X Gig Ethernet XP SFP CMA	
1 x Channelized OC3 CES CMA	
2 x OC12/OC3 CMA	
2 x OC12/OC3 CMA B	
4 x DS3/E3 CMA	
5 X Gig Ethernet XP SFP CMA	
8 x 10/100 Ethernet Tx CMA	
8 X ATM DS1/E1 CMA	
8 x DS1/E1 Channel CMA	
VSM Cross Connect Adaptor	
VSM Cross Connect Adaptor Extended Performance	
20 PORT 10GE SFP + C-XMA	
2 PORT 100GE CFP C-XMA	
6 PORT 40GE QSFP C-XMA	
i1 x GPS Rx	
i3 x Gig SFP + 1 x 10/100/1000 Copper SyncE	
i4 x xDSL Ports	
i3 x Gig SFP + 2 x 10/100/1000 Copper PoE	
i3 x Gig SFP + 2 x 10/100/1000 Copper SyncE	
i3 x Gig SFP + 2 x 10/100/1000 Copper PoE+ SyncE	
i2 x 10/100/Gig Ethernet SFP + 4 x 10/100/Gig Ethernet TX RJ45	
i4 x 10/100/Gig Ethernet(2 SFP, 2 SFP/RJ45 Combo) + 4 x (PoE) 10/100/Gig Ethernet TX	
ICM 2 x 10-Gig Extended Performance XFP	
IMM 12 x 10GE SF	
IMM 1 x 100GE CFP	
IMM 1 x 40GE Extended Performance CFP	

(8 of 12)

Name	Value
IMM 1 x 40GE OTU3 DWDM Tunable Optics	
IMM 1 x OC768 OTU3 DWDM Tunable Optics	
IMM 24 x 10/100/1000 Ethernet Extended Performance SFP	
IMM 24 x 10/100/1000 Ethernet Extended Performance TX	
IMM 2 x 10GE Extended Performance XFP	
IMM 3 x 40GE Extended Performance QSFP	
IMM 40 x 10GE SFP	
IMM 4 x 100GE CXP	
IMM 4 x 10GE Extended Performance XFP	
IMM 5 x 10GE Extended Performance XFP	
IMM 10 x 10/100/1000 Ethernet SFP	
IMM 10 x 10/100/1000 Ethernet SFP + 1 x 10G XFP	
IMM 2 x 10G XFP	
IMM P10 x 10GE SFP	
IMM P1 x 100GE CFP	
IMM P1 x 100GE OTU4 DWDM Tunable Optics	
IMM P20 x 1GE SFP	
IMM P3 x 40GE QSFP	
IMM P6 x 10GE SFP	
ISA2 Tunnel	
ISA Application Assurance	
ISA Broadband Applications	
ISA IP Reassembly	
ISA Tunnel	
ISA Mobile	
ISA Multi-Service	
ISA Multi-Service Export	
ISA TMS	
ISA Video	
Integrated Services Card	
HSMDA 10 x 1 Gig SFP	
1 x 10-Gig Ethernet + 10 x 10/100/1000 Ethernet SFP	
10 x 10/100/1000 Ethernet SFP	
10 x 1-Gig Extended Performance SFP	
10 x 1-Gig Ethernet SFP	
2 x 10-Gig Ethernet + 12 x 1-Gig Ethernet XP	
12 x 1-Gig Extended Performance SFP	

(9 of 12)

Name	Value
12 x Channelized DS3/E3 ASAP	
12 x DS3/E3 Deep Channel	
16 x ATM OC3 SFP	
16 x ATM OC3 SFP B	
16 x OC12/OC3 SFP	
16 x OC12/OC3 SFP B	
16 x OC3 SFP	
1 x 10-Gig Ethernet DWDM Tunable Optics	
HSMDA 1 x 10-Gig XFP, B	
1 x 10-Gig Ethernet XFP	
1 x 10-Gig Extended Performance XFP	
1 x Channelized OC12 ASAP	
1 x Channelized OC12 CES	
1 x OC12 Deep Channel	
1 x Channelized OC3 CES	
Gig Ethernet SFP	
1 x OC192	
1 x 10-Gig Ethernet	
20 x 100 Ethernet Fx	
20 x 10/100/1000 Ethernet SFP	
20 x 10/100/1000 Ethernet Tx	
20 x 10/100/1000 Ethernet Extended Performance SFP	
20 x 10/100/1000 Ethernet Extended Performance TX	
24 x Fast Ethernet 10/100 FX	
24 x Fast Ethernet 10/100 TX	
24 x Gig Ethernet (20 FX, 4 Dual TX/FX)	
24 x Gig Ethernet (20 TX, 4 Dual TX/FX)	
2 x 10-Gig Ethernet XFP	
2 x 10-Gig Extended Performance XFP	
2 x 10Gig Ethernet Extended Performance XFP WaveTracker	
2 x Channelized OC12 ASAP	
2 x OC192 Extended Performance XFP	
2 x OC48 SFP	
m48-10/40G-eth-tx	
48 x Gig Ethernet Extended Performance TX	
48 x Fast Ethernet 10/100 TX	
4 x 10/100 Ethernet TX	

(10 of 12)

21 — Base Card

Name	Value
4 x 10-Gig Extended Performance XFP	
4 x 10/100/1000 Ethernet Tx	
4 x ATM OC12/OC3 SFP	
4 x ATM OC12/OC3 SFP B	
4 x DS3/E3 Deep Channel	
4 x Channelized OC3 ASAP	
4 x Channelized OC3 CES	
4 x OC3 Deep Channel	
4 x Gig Ethernet (2 TX, 2 FX)	
4 x OC48 SFP	
4 x OC48 SFP B	
5 x 10/100/1000 Ethernet SFP	
5 x 1-Gig Ethernet SFP	
60 x 10/100 Ethernet	
8 x OC12/OC3 SFP	
8 x OC3 SFP	
Power Injector Card	
1 Colour Optical Add/Drop Mux	
2 Colour Optical Add/Drop Mux	
4 Colour Optical Add/Drop Mux	
8 Colour Optical Add/Drop Mux	
XMDA 1p x 10GigE / 10p x 1GigE SFP	
XMDA 1p x 10GigE / 10p x 1GigE SFP v2	
GPON Module	
p1 x GPS Rx	
2 x 10-Gig Bridged Ethernet XFP + 1 x 2.5G Virtual Ethernet Module	
DCM Module	
DSL Module	
i2 x Serial Data	
No Daughter Card	
Unsupported Daughter Card	
40 PORT 10GE SFP+ XMA	
4 PORT 100GE CXP XMA	
DCM:Dispersion Comp. Card	
EC:Equipment Controller Card	
Fan Unit	
ITLB:Interleaver Card	

(11 of 12)

Name	Value
ITLU:Interleaver Card, Unidirectional	
PF:Power Filter Card	
User Interface Panel	
Amplifier and Associated Cards	
Optical Client/Line Cards	
Filter Card	
Optical Transponder Card	
PTP Card	
Wavelength Router Card	
22-Port (8 TX, 12 FX, 2 GE)	
24-Port (8 TX, 12 FX, 4 GE)	
2 x Gig Ethernet 1000 FX	
8 x Fast Ethernet 10/100 TX	
12 x Fast Ethernet 100 FX	
No Processor/Base Card	
No Change	
Unsupported Processor/Base Card	

(12 of 12)

Table 21-9 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING
Minimum	0
Maximum	16
Read-only	yes
Tab|Panel	General|Equipment Location Codes

Table 21-10 Datapath Cell Error Count (Complex 0)

Name	Value
Displayed name	Datapath Cell Error Count (Complex 0)
OSS name	complex1ChipIfCellErrCount
Type	INT

(1 of 2)

Name	Value
Default	0
Read-only	yes
Tab|Panel	General|Internal Datapath Cell Errors
Description	Indicates the number of times the first complex experienced an occurrence of internal datapath cell errors.

(2 of 2)

Table 21-11 Datapath Cell Error Count (Complex 1)

Name	Value
Displayed name	Datapath Cell Error Count (Complex 1)
OSS name	complex2ChipIfCellErrCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Internal Datapath Cell Errors
Description	Indicates the number of times the first complex experienced an occurrence of internal datapath cell errors.

Table 21-12 Datapath Error Count (Complex 0)

Name	Value
Displayed name	Datapath Error Count (Complex 0)
OSS name	complex1ChipIfDownErrCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Internal Datapath Errors
Description	Indicates the number of times the first complex experienced an occurrence of an internal datapath problem.

Table 21-13 Datapath Error Count (Complex 1)

Name	Value
Displayed name	Datapath Error Count (Complex 1)
OSS name	complex2ChipIfDownErrCount
Type	INT

(1 of 2)

Name	Value
Default	0
Read-only	yes
Tab|Panel	General|Internal Datapath Errors
Description	Indicates the number of times the second complex experienced an occurrence of an internal datapath problem.

(2 of 2)

Table 21-14 Egress FCS Error Count (Complex 0)

Name	Value
Displayed name	Egress FCS Error Count (Complex 0)
OSS name	complex1EgressFCSErrorCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|PChip FCS Errors
Description	Indicates the number of times the first complex experienced an occurrence of a FCS error in the egress direction since startup, last clear, or IOM reboot.

Table 21-15 Egress FCS Error Count (Complex 1)

Name	Value
Displayed name	Egress FCS Error Count (Complex 1)
OSS name	complex2EgressFCSErrorCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|PChip FCS Errors
Description	Indicates the number of times the second complex experienced an occurrence of a FCS error in the egress direction since startup, last clear, or IOM reboot.

Table 21-16 Equipped

Name	Value
Displayed name	Equipped
OSS name	isEquipped
Type	BOOL

(1 of 2)

Name	Value
Default	false
Read-only	yes
Tab|Panel	General|Slot Details

(2 of 2)

Table 21-17 Hardware Class

Name	Value
Displayed name	Hardware Class
OSS name	hardwareClass
Type	equipment.HardwareClassType
Default	no
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
External Alarm Input	
Fam	
N/A	

Table 21-18 Ingress FCS Error Count (Complex 0)

Name	Value
Displayed name	Ingress FCS Error Count (Complex 0)
OSS name	complex1IngressFCSErrorCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|PChip FCS Errors
Description	Indicates the number of times the first complex experienced an occurrence of a FCS error in the ingress direction since startup, last clear, or IOM reboot.

Table 21-19 Ingress FCS Error Count (Complex 1)

Name	Value
Displayed name	Ingress FCS Error Count (Complex 1)
OSS name	complex2IngressFCSErrorCount

(1 of 2)

Name	Value
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|PChip FCS Errors
Description	Indicates the number of times the second complex experienced an occurrence of a FCS error in the ingress direction since startup, last clear, or IOM reboot.

(2 of 2)

Table 21-20 Last Boot Up Reason

Name	Value
Displayed name	Last Boot Up Reason
OSS name	lastBootUpReason
Type	equipment.BootUpReason
Default	Hard Reboot
Read-only	yes
Tab|Panel	General|Card Details
Enumerated types	
Activity Switch	
Boot Fail	
CCM failed	
Clear Card	
Configuration Change	
Hard Reboot	
ISSU Hard Reboot	
ISSU Timeout	
Power Change	
Power Cycle	
Card Reinserted	
Runtime Fail	
Soft Reset	
Unexpected	

Table 21-21 Last Occurred

Name	Value
Displayed name	Last Occurred

(1 of 2)

Name	Value
OSS name	complex1BufMemErrOccurTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|Buffer Memory Errors
Description	Indicates the last time tmnxCardCmpl1BufMemErrOccur incremented.

(2 of 2)

Table 21-22 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complex1CAMErrorOccurTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|CAM Errors

Table 21-23 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complex1ChipIfCellOccTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|Internal Datapath Cell Errors
Description	Indicates the last time tmnxCardCmpl1ChipIfCellOcc incremented.

Table 21-24 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complex1ChipIfDownOccTime
Type	DATE
Default	0

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|Internal Datapath Errors
Description	Indicates the last time tmnxCardCmpl1ChipIfDownOcc incremented.

(2 of 2)

Table 21-25 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complex1EgressFCSErrorOccurTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|PChip FCS Errors
Description	Indicates the last time when the complex1EgressFCSErrorCount incremented.

Table 21-26 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complex1IngressFCSErrorOccurTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|PChip FCS Errors
Description	Indicates the last time when the complex1IngressFCSErrorCount incremented.

Table 21-27 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complex1IntMemErrOccurTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|Internal Memory Errors

(1 of 2)

Name	Value
Description	ndicates the last time tmnxCardCmpI1IntMemErrOccur incremented.

(2 of 2)

Table 21-28 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complex1MemoryParityErrorOccurTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|PChip Parity Errors
Description	Indicates the last time when the complex1MemoryParityErrorCount incremented.

Table 21-29 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complex1StatMemErrOccurTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|Statistics Memory Errors
Description	Indicates the last time tmnxCardCmpI1StatMemErrOccur incremented.

Table 21-30 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complex2BufMemErrOccurTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|Buffer Memory Errors
Description	Indicates the last time tmnxCardCmpI2BufMemErrOccur incremented.

Table 21-31 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complex2CAMErrorOccurTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|CAM Errors

Table 21-32 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complex2ChipIfCellOccTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|Internal Datapath Cell Errors
Description	Indicates the last time tmnxCardCmpl1ChipIfCellOcc incremented.

Table 21-33 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complex2ChipIfDownOccTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|Internal Datapath Errors
Description	Indicates the last time tmnxCardCmpl2ChipIfDownOcc incremented.

Table 21-34 Last Occurred

Name	Value
Displayed name	Last Occurred

(1 of 2)

Name	Value
OSS name	complex2EgressFCSErrorOccurTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|PChip FCS Errors
Description	Indicates the last time when the complex2EgressFCSErrorCount incremented.

(2 of 2)

Table 21-35 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complex2IngressFCSErrorOccurTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|PChip FCS Errors
Description	Indicates the last time when the complex2IngressFCSErrorOccurTime incremented.

Table 21-36 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complex2IntMemErrOccurTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|Internal Memory Errors
Description	ndicates the last time tmnxCardCmpl2IntMemErrOccur incremented.

Table 21-37 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complex2MemoryParityErrorOccurTime
Type	DATE

(1 of 2)

Name	Value
Default	0
Read-only	yes
Tab|Panel	General|PChip Parity Errors
Description	Indicates the last time when the complex2MemoryParityErrorCount incremented.

(2 of 2)

Table 21-38 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complex2StatMemErrOccurTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|Statistics Memory Errors
Description	Indicates the last time tmnxCardCmpl2StatMemErrOccur incremented.

Table 21-39 Manufacture Date

Name	Value
Displayed name	Manufacture Date
OSS name	manufactureDate
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 21-40 Manufacturer

Name	Value
Displayed name	Manufacturer
OSS name	manufacturer
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 21-41 Manufacturing Assembly No

Name	Value
Displayed name	Manufacturing Assembly No
OSS name	manufacturingAssemblyNo
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 21-42 Manufacturing Deviations

Name	Value
Displayed name	Manufacturing Deviations
OSS name	manufacturingDeviations
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 21-43 Manufacturing Variant

Name	Value
Displayed name	Manufacturing Variant
OSS name	manufacturingVariant
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 21-44 Memory Error Count (Complex 0)

Name	Value
Displayed name	Memory Error Count (Complex 0)
OSS name	complex1BufMemErrCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Buffer Memory Errors

(1 of 2)

Name	Value
Description	Indicates the number of times the first complex experienced an occurrence of a buffer memory error since startup, last clear, or IOM reboot.

(2 of 2)

Table 21-45 Memory Error Count (Complex 0)

Name	Value
Displayed name	Memory Error Count (Complex 0)
OSS name	complex1IntMemErrCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Internal Memory Errors
Description	Indicates the number of times the first complex experienced an occurrence of an internal memory error since startup, last clear, or IOM reboot.

Table 21-46 Memory Error Count (Complex 0)

Name	Value
Displayed name	Memory Error Count (Complex 0)
OSS name	complex1StatMemErrCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Statistics Memory Errors
Description	Indicates the number of times the first complex experienced an occurrence of a statistics memory error since startup, last clear, or IOM reboot.

Table 21-47 Memory Error Count (Complex 1)

Name	Value
Displayed name	Memory Error Count (Complex 1)
OSS name	complex2BufMemErrCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Buffer Memory Errors

(1 of 2)

Name	Value
Description	Indicates the number of times the second complex experienced an occurrence of a buffer memory error since startup, last clear, or IOM reboot.

(2 of 2)

Table 21-48 Memory Error Count (Complex 1)

Name	Value
Displayed name	Memory Error Count (Complex 1)
OSS name	complex2IntMemErrCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Internal Memory Errors
Description	Indicates the number of times the second complex experienced an occurrence of an internal memory error since startup, last clear, or IOM reboot.

Table 21-49 Memory Error Count (Complex 1)

Name	Value
Displayed name	Memory Error Count (Complex 1)
OSS name	complex2StatMemErrCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Statistics Memory Errors
Description	Indicates the number of times the second complex experienced an occurrence of a statistics memory error since startup, last clear, or IOM reboot.

Table 21-50 Memory Parity Error Count (Complex 0)

Name	Value
Displayed name	Memory Parity Error Count (Complex 0)
OSS name	complex1MemoryParityErrorCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|PChip Parity Errors

(1 of 2)

Name	Value
Description	Indicates the number of times the first complex experienced an occurrence of a memory parity error since startup, last clear, or IOM reboot.

(2 of 2)

Table 21-51 Memory Parity Error Count (Complex 1)

Name	Value
Displayed name	Memory Parity Error Count (Complex 1)
OSS name	complex2MemoryParityErrorCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|PChip Parity Errors
Description	Indicates the number of times the second complex experienced an occurrence of a memory parity error since startup, last clear, or IOM reboot.

Table 21-52 Memory Size

Name	Value
Displayed name	Memory Size
OSS name	memorySize
Type	LONG
Default	0
Units	MB
Read-only	yes
Tab|Panel	General|Card Details

Table 21-53 Number Of Daughter Card Slots

Name	Value
Displayed name	Number Of Daughter Card Slots
OSS name	numberOfDaughterCardSlots
Type	INT
Default	2
Read-only	yes
Tab|Panel	General|Card Details

Table 21-54 Number Of Installed Daughter Cards

Name	Value
Displayed name	Number Of Installed Daughter Cards
OSS name	numberOfInstalledDaughterCards
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Card Details

Table 21-55 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	equipment.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	General|Equipment
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	
Provisioned	
Reserved	
Reset Pending	
Shutting Down	

(1 of 2)

Name	Value
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

(2 of 2)

Table 21-56 Part Number

Name	Value
Displayed name	Part Number
OSS name	manufacturerBoardNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 21-57 Pool Mode

Name	Value
Displayed name	Pool Mode
OSS name	poolMode
Type	equipment.NamedPoolAdminState
Default	Out of Service
Tab|Panel	General|Card Details
Enumerated types	
In Service	
Out of Service	

Table 21-58 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	serialNumber
Type	STRING
Maximum	252

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 21-59 Shelf ID

Name	Value
Displayed name	Shelf ID
OSS name	shelfId
Type	INT
Default	0
Read-only	yes
Tab|Panel	Slot|Equipment

Table 21-60 Shelf Type

Name	Value
Displayed name	Shelf Type
OSS name	shelfType
Type	equipment.ShelfType
Read-only	yes
Tab|Panel	General|Slot Details
Enumerated types	
1830 PSS 16	
1830 PSS 1 AHP	
1830 PSS 1 GBEH	
1830 PSS 1 MD4H	
1830 PSS 32	
1830 PSS 32s	
1830 PSS 36	
1830 PSS 4	
DCM :Dispersion Compensation Module Shelf	
ITLB: Interleaver Shelf, Bidirectional	
ITLU: Interleaver Shelf, Unidirectional	
1830 PSS 16 Shelf	
1830 PSS 32s 1.2T Shelf	

(1 of 7)

Name	Value
1830 PSS 32s 1.6T Shelf	
1830 PSS 32 Shelf	
1830 PSS 36 Shelf	
1830 PSS 4 Shelf	
SFD 40 B:Static Filter DWDM 40 Odd Channel Shelf	
SFD 40: Static Filter DWDM 40 Even Channel Shelf	
SFD 44 B :Static Filter DWDM 44 Odd Channel Shelf	
SFD 44: Static Filter DWDM 44 Even Channel Shelf	
1830 PSS Universal Shelf	
Empty Shelf	
Master Shelf	
Unknown Shelf	
OmniSwitch 10K	
OS6250-24	
OS6250-24M	
OS6250-24MD	
OS6250-8M	
OmniSwitch 6250	
OS6250-P24	
OS6400-24	
OS6400-48	
OmniSwitch 6400	
OS6400-DU24	
OS6400-P24	
OS6400-P48	
OS6400-U24	
OS6450-10	
OS6450-10L	
OS6450-24	
OS6450-24L	
OS6450-48	
OS6450-48L	
OS6450-P10	
OS6450-P10L	
OS6450-P24	
OS6450-P24L	
OS6450-P48	

(2 of 7)

Name	Value
OS6450-P48L	
OS6450-U24	
OS6850-24	
OS6850-24L	
OS6850-24LU	
OS6850-24X	
OS6850-48	
OS6850-48L	
OS6850-48LU	
OS6850-48X	
OmniSwitch 6850	
OS6850-P24	
OS6850-P24L	
OS6850-P24LU	
OS6850-P24X	
OS6850-P48	
OS6850-P48L	
OS6850-P48LU	
OS6850-P48X	
OS6850-U24X	
OS6850E-24	
OS6850E-24X	
OS6850E-48	
OS6850E-48X	
OmniSwitch 6850E	
OS6850E-P24	
OS6850E-P24X	
OS6850E-P48	
OS6850E-P48X	
OS6850E-U24X	
OS6855-14	
OS6855-24	
OmniSwitch 6855	
OmniSwitch 6855-U24X	
OS6855-U10	
OS6855-U24	
OS6855-U24X	

(3 of 7)

Name	Value
OmniSwitch 6900-T20	
OmniSwitch 6900-T40	
OmniSwitch 6900-X20	
OmniSwitch 6900-X40	
OmniSwitch 9600	
OmniSwitch 9700	
OmniSwitch 9700E	
OmniSwitch 9800	
OmniSwitch 9800E	
NUAGE-VSC-1	
NUAGE-1	
5780 DSC - ATCA	
5780 DSC - CSB	
5780 DSC - DCP	
5780 DSC - Non-ATCA	
5780 DSC - PCRF	
E-NODEB	
9412 D2U E-NODEB FDD	
9412 D2U E-NODEB Indoor FDD	
9412 D2U E-NODEB Outdoor with AMR FDD	
9412 D2U E-NODEB Outdoor without AMR FDD	
9412 D2U E-NODEB TDD	
9412 D2U E-NODEB Indoor TDD	
9412 D2U E-NODEB Outdoor with AMR TDD	
9412 D2U E-NODEB Outdoor without AMR TDD	
9412 D2U BUILT-IN EAM E-NODEB TDD	
9763 MCI FAM E-NODEB FDD	
9764 MCO FAM E-NODEB FDD	
9764 MCO FAM Adv E-NODEB FDD	
9764 MCO TRF E-NODEB FDD	
9926 D2U E-NODEB FDD	
9926 D2U E-NODEB TDD	
Pre-Provisioned E-NODEB	
7450-ESS12	
7450-ESS1	
7450-ESS24	
7450-ESS4	

(4 of 7)

Name	Value
7450-ESS6	
7450-ESS6V	
7450-ESS7	
GNE	
HIP Chassis	
7750-SR12-MG	
7750-SR7-MG	
MDR-8000E-Compak	
MDR-8000E-Standard	
MDR-8000i	
MDR-8000s	
MDR-8000u	
MDR 8000-Compact	
MDR 8000-Hot-Standby	
9471 MME	
9500 MPR-A Chassis 1	
9500 MPR-E Chassis 1	
9500 MPR-A Chassis 4	
9500 MPR-E Chassis 4	
9500 MPR-A	
9500 MPR-E	
MSS-1	
MSS-4	
MSS-8	
9500 MPRe	
7705-SAR18	
7705-SAR8	
7705-SAR8 v2	
7705-SARF	
7705 SAR-H	
7705 SAR-Hc	
7705-SARM ASAP	
7705-SARM ASAP FL	
7705 SAR-A	
7705 SAR-A T1/E1	
7705-SARM	
7705-SARM FL	

(5 of 7)

Name	Value
7705 SAR-W	
7705 SAR-Wx (4GE xDSL)	
7705 SAR-Wx (4GE xDSL GPS Rx)	
7705 SAR-Wx (5GE)	
7705 SAR-Wx (5GE GPS Rx)	
7705 SAR-Wx (5GE PoE+)	
7705 SAR-Wx (5GE PoE+ GPS Rx)	
7250 SAS ES	
7250 SAS ESA	
7250 SAS	
7210 SAS-D-6F-4T	
7210 SAS-D-6F-4T ETR	
7210 SAS-E	
7210 SAS-M-24F	
7210 SAS-M-24F-2XFP	
7210 SAS-M-24F-2XFP ETR	
7210 SAS-M-24F ETR	
7210 SAS-R6	
7210 SAS-T-12F-10T-4XFP	
7210 SAS-T-12F-10T-4XFP ETR	
7210 SAS-X-24F-2XFP	
9471 SGSN	
7701 CPAA	
7750-SR12	
7750-SRc12	
7750-SR12e	
7750-SR1	
7750-SR24	
7750-SRc4	
7750-SR4	
7710-SRc12	
7710-SRc4	
7750-SR7	
9471 SRS	
T4R	
T5 Compact 24F	
T5 Compact 24G	

(6 of 7)

Name	Value
T5 Compact 24GT	
T5 Compact 24T	
T5 Compact 48T	
T5R	
Unknown	
9471 WMM	
7950-XRS16	
7950-XRS20	

(7 of 7)

Table 21-61 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Equipment

Table 21-62 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	Slot|Equipment

Table 21-63 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING

(1 of 2)

Name	Value
Maximum	252
Read-only	yes
Tab|Panel	General|Equipment

(2 of 2)

Table 21-64 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	Slot|Equipment

Table 21-65 Slot ID

Name	Value
Displayed name	Slot ID
OSS name	slotId
Type	INT
Minimum	1
Default	0
Mandatory on creation	yes
Tab|Panel	General|Slot Details

Table 21-66 Slot Name

Name	Value
Displayed name	Slot Name
OSS name	slotName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Slot Details

Table 21-67 Software Version

Name	Value
Displayed name	Software Version
OSS name	cardVersion
Type	STRING
Minimum	0
Maximum	50
Default	unknown
Read-only	yes
Tab|Panel	General|Card Details

Table 21-68 Source Cards of Egress FCS Errors (Complex 0)

Name	Value
Displayed name	Source Cards of Egress FCS Errors (Complex 0)
OSS name	complex1EgressFCSErrorSourceSlots
Type	equipment.CardSlotBitMap
Default	0
Read-only	yes
Tab|Panel	General|PChip FCS Errors
Description	Indicates the Source Slots reported from the last time the first complex experienced an occurrence of a FCS error in the egress direction since startup, last clear, or IOM reboot. incremented.
Enumerated types	
Slot 1	
Slot 10	
Slot 11	
Slot 12	
Slot 13	
Slot 14	
Slot 15	
Slot 16	
Slot 2	
Slot 3	
Slot 4	
Slot 5	
Slot 6	
Slot 7	

(1 of 2)

Name	Value
Slot 8	
Slot 9	

(2 of 2)

Table 21-69 Source Cards of Egress FCS Errors (Complex 1)

Name	Value
Displayed name	Source Cards of Egress FCS Errors (Complex 1)
OSS name	complex2EgressFCSErrorSourceSlots
Type	equipment.CardSlotBitMap
Default	0
Read-only	yes
Tab|Panel	General|PChip FCS Errors
Description	Indicates the Source Slots reported from the last time the second complex experienced an occurrence of a FCS error in the egress direction since startup, last clear, or IOM reboot. incremented.
Enumerated types	
Slot 1	
Slot 10	
Slot 11	
Slot 12	
Slot 13	
Slot 14	
Slot 15	
Slot 16	
Slot 2	
Slot 3	
Slot 4	
Slot 5	
Slot 6	
Slot 7	
Slot 8	
Slot 9	

Table 21-70 System Resource Profile Policy

Name	Value
Displayed name	System Resource Profile Policy
OSS name	systemResourceProfilePolicy
Type	POINTER
Tab|Panel	General|System Resource Profile
Description	Specifies the System Reosurce Profile Policy for this card. Applicable only for 7210 SAS R nodes.

22 — Baseline

Table 22-1 Baseline parameters

Parameters	
Baselined Value	Force Baseline
Baselined Value	Last Baselined Time
Baseline Type	Last Baselined Time
Baseline Type	Reason
Force Baseline	Reason

Table 22-2 Baselined Value

Name	Value
Displayed name	Baselined Value
OSS name	tnStatsBaselineValue
Type	FLOAT
Units	dBm
Tab|Panel	General|Total Power Received
Description	Baselined optical power value

Table 22-3 Baselined Value

Name	Value
Displayed name	Baselined Value
OSS name	tnStatsBaselineValue
Type	FLOAT
Units	dBm
Tab|Panel	General|Total Power Transmitted
Description	Baselined optical power value

Table 22-4 Baseline Type

Name	Value
Displayed name	Baseline Type
OSS name	tnStatsGroupId
Type	optical.BaselineType
Default	OPT
Mandatory on creation	yes
Tab|Panel	General|Total Power Received
Description	Identifies if the baseline is for OPT or OPR
Enumerated types	
OPR	
OPT	

Table 22-5 Baseline Type

Name	Value
Displayed name	Baseline Type
OSS name	tnStatsGroupId
Type	optical.BaselineType
Default	OPT
Mandatory on creation	yes
Tab|Panel	General|Total Power Transmitted
Description	Identifies if the baseline is for OPT or OPR
Enumerated types	
OPR	
OPT	

Table 22-6 Force Baseline

Name	Value
Displayed name	Force Baseline
OSS name	forceBaseline
Type	BOOL
Default	false
Tab|Panel	General|Total Power Received
Description	Forces a new baseline with the same baseline reason

Table 22-7 Force Baseline

Name	Value
Displayed name	Force Baseline
OSS name	forceBaseline
Type	BOOL
Default	false
Tab|Panel	General|Total Power Transmitted
Description	Forces a new baseline with the same baseline reason

Table 22-8 Last Baselined Time

Name	Value
Displayed name	Last Baselined Time
OSS name	tnStatsBaselineTime
Type	DATE
Tab|Panel	General|Total Power Received
Description	Time of baseline

Table 22-9 Last Baselined Time

Name	Value
Displayed name	Last Baselined Time
OSS name	tnStatsBaselineTime
Type	DATE
Tab|Panel	General|Total Power Transmitted

(1 of 2)

Name	Value
Description	Time of baseline

(2 of 2)

Table 22-10 Reason

Name	Value
Displayed name	Reason
OSS name	tnStatsBaselineReason
Type	optical.BaselineReasonType
Default	0
Tab|Panel	General|Total Power Received
Description	Identifies the reason for which the baseline was established
Enumerated types	
8	
5	
4	
Laser On	
LOS Cleared	
New System	
9	
1	
OT Replaced	
7	
6	
3	
2	
0	

Table 22-11 Reason

Name	Value
Displayed name	Reason
OSS name	tnStatsBaselineReason
Type	optical.BaselineReasonType
Default	0
Tab|Panel	General|Total Power Transmitted

(1 of 2)

Name	Value
Description	Identifies the reason for which the baseline was established
Enumerated types	
8	
5	
4	
Laser On	
LOS Cleared	
New System	
9	
1	
OT Replaced	
7	
6	
3	
2	
0	

(2 of 2)

23 — Card Firmware

Table 23-1 Card Firmware parameters

Parameters	
Activation Time	Provisioned Release
Active Release	Provisioned Time
Assigned CardSubType	Shelf
Elapsed Time	Site ID
Equipped CardSubType	Site Management IP
Load State	Site Name
NE Software Version	Slot
Product Type	

Table 23-2 Activation Time

Name	Value
Displayed name	Activation Time
OSS name	activationTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|Card Firmware
Description	The time at which the firmware was last successfully loaded for this card.

Table 23-3 Active Release

Name	Value
Displayed name	Active Release
OSS name	activeRelease
Type	STRING
Read-only	yes
Tab|Panel	General|Card Firmware
Description	Shows Current Firmware on the card.

Table 23-4 Assigned CardSubType

Name	Value
Displayed name	Assigned CardSubType
OSS name	assignedCardSubType
Type	equipment.CardSubType
Default	unspecified
Tab|Panel	General|Card Firmware
Description	Assigned/Configured CardSubType
Enumerated types	
Occupied by other Card	
112PDM11	
112SA1L	
112SCA1-100GEth	
112SCA1-OTU4	
112SCX10	
112SNA1-100GEth	
112SNA1-OTU4	
112SNX10	
112SX10L	
11DPE12A	
11DPE12E	
11DPE12	
11DPM12	
11OPE8	
11QCE12X	
11QPA4	
11QPE24	

(1 of 4)

Name	Value
11QPEN4	
11STAR1A	
11STAR1	
11STGE12	
11STMM10	
130SCX10	
1DPP24M-Master	
1DPP24M-Slave	
43SCA1-OTU3	
43SCA1-SONET/SDH	
43SCGE1	
43SCX4	
43SCX4E	
43STA1P	
43STX4	
43STX4P	
4DPA2	
4DPA4 FlexMux	
4DPA4 DualTran	
4QPA8	
A2325A	
A2P2125	
AHPHG	
AHPLG	
ALPFGK	
ALPFGT	
ALPHG	
AM2017B	
AM2125A	
AM2125B	
AM2318A	
AM2325B	
BTC	
10AN10G	
24ANM	
CWR8-88	
CWR8	

(2 of 4)

Name	Value
DCM	
HKPCNTL	
EC	
Fan Unit	
FLC	
10ET10G	
24ET1GB	
4AN10G	
8ET1GB	
ITLB	
ITLU	
MT0C	
MESH4	
MVAC8B	
MVAC	
OPSA	
OPSB	
OSC	
OSCT	
PF	
PTPCTL	
PTPIO	
RA2P	
SFC1A	
SFC1B	
SFC1C	
SFC1D	
SFC1E	
SFC1F	
SFC1G	
SFC1H	
SFC2A	
SFC2B	
SFC2C	
SFC2D	
SFC4A	
SFC4B	

(3 of 4)

Name	Value
SFC8	
SFD40B	
SFD40	
SFD44B	
SFD44	
SFD4A	
SFD4B	
SFD4C	
SFD4D	
SFD4E	
SFD4F	
SFD4G	
SFD4H	
SFD5A	
SFD5B	
SFD5C	
SFD5D	
SFD5E	
SFD5F	
SFD5G	
SFD5H	
SFD8A	
SFD8B	
SFD8C	
SFD8D	
SVAC	
11QCUPC	
130SCUP	
MXEC320H	
MTC1T9	
User Interface Panel	
WR2-88	
WR8-88A	
WR8-88AF	
WTOCMA	
WTOCM	

(4 of 4)

Table 23-5 Elapsed Time

Name	Value
Displayed name	Elapsed Time
OSS name	elapsedTime
Type	STRING
Default	00:00
Units	MM:SS
Read-only	yes
Tab|Panel	General|Card Firmware
Description	This is the time since the beginning of the init state for the individual FPGA device currently being loaded. It is updated only when requested for display. Timeout starts at 45 minutes. Progress time displayed will be = 45:00-current value.

Table 23-6 Equipped CardSubType

Name	Value
Displayed name	Equipped CardSubType
OSS name	equippedCardSubType
Type	equipment.CardSubType
Default	unspecified
Tab|Panel	General|Card Firmware
Description	Currently Equipped CardSubType
Enumerated types	
Occupied by other Card	
112PDM11	
112SA1L	
112SCA1-100GEth	
112SCA1-OTU4	
112SCX10	
112SNA1-100GEth	
112SNA1-OTU4	
112SNX10	
112SX10L	
11DPE12A	
11DPE12E	
11DPE12	
11DPM12	
11OPE8	

(1 of 5)

Name	Value
11QCE12X	
11QPA4	
11QPE24	
11QPEN4	
11STAR1A	
11STAR1	
11STGE12	
11STMM10	
130SCX10	
1DPP24M-Master	
1DPP24M-Slave	
43SCA1-OTU3	
43SCA1-SONET/SDH	
43SCGE1	
43SCX4	
43SCX4E	
43STA1P	
43STX4	
43STX4P	
4DPA2	
4DPA4 FlexMux	
4DPA4 DualTran	
4QPA8	
A2325A	
A2P2125	
AHPHG	
AHPLG	
ALPFGK	
ALPFGT	
ALPHG	
AM2017B	
AM2125A	
AM2125B	
AM2318A	
AM2325B	
BTC	
10AN10G	

(2 of 5)

Name	Value
24ANM	
CWR8-88	
CWR8	
DCM	
HKPCNTL	
EC	
Fan Unit	
FLC	
10ET10G	
24ET1GB	
4AN10G	
8ET1GB	
ITLB	
ITLU	
MT0C	
MESH4	
MVAC8B	
MVAC	
OPSA	
OPSB	
OSC	
OSCT	
PF	
PTPCTL	
PTPIO	
RA2P	
SFC1A	
SFC1B	
SFC1C	
SFC1D	
SFC1E	
SFC1F	
SFC1G	
SFC1H	
SFC2A	
SFC2B	
SFC2C	

(3 of 5)

Name	Value
SFC2D	
SFC4A	
SFC4B	
SFC8	
SFD40B	
SFD40	
SFD44B	
SFD44	
SFD4A	
SFD4B	
SFD4C	
SFD4D	
SFD4E	
SFD4F	
SFD4G	
SFD4H	
SFD5A	
SFD5B	
SFD5C	
SFD5D	
SFD5E	
SFD5F	
SFD5G	
SFD5H	
SFD8A	
SFD8B	
SFD8C	
SFD8D	
SVAC	
11QCUPC	
130SCUP	
MXEC320H	
MTC1T9	
User Interface Panel	
WR2-88	
WR8-88A	
WR8-88AF	

(4 of 5)

23 — Card Firmware

Name	Value
WTOCMA	
WTOCM	

(5 of 5)

Table 23-7 Load State

Name	Value
Displayed name	Load State
OSS name	loadState
Type	equipment.CardLoadState
Read-only	yes
Tab|Panel	General|Card Firmware
Description	The state of the firmware load process for the card as a whole. This uses conditions FPGAInit[1-10] raised by Board Manager, which will also update the ECId.
Enumerated types	
Failed	
Init1	
Init10	
Init2	
Init3	
Init4	
Init5	
Init6	
Init7	
Init8	
Init9	
Loaded	
none	
Timeout	

Table 23-8 NE Software Version

Name	Value
Displayed name	NE Software Version
OSS name	swversion
Type	STRING
Maximum	252

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|Card Firmware
Description	Specifies the product version of this Alcatel system.

(2 of 2)

Table 23-9 Product Type

Name	Value
Displayed name	Product Type
OSS name	productType
Type	STRING
Read-only	yes
Tab|Panel	General|Card Firmware
Description	Specifies the product type.

Table 23-10 Provisioned Release

Name	Value
Displayed name	Provisioned Release
OSS name	provisionRelease
Type	POINTER
Tab|Panel	General|Card Firmware
Description	Shows the Last provisioned Firmware version, And allow user to configure valid firmware version.

Table 23-11 Provisioned Time

Name	Value
Displayed name	Provisioned Time
OSS name	provisionTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|Card Firmware
Description	Shows the Last provisioned time.

Table 23-12 Shelf

Name	Value
Displayed name	Shelf
OSS name	shelfId
Type	INT
Default	1
Read-only	yes
Tab|Panel	General|Card Firmware
Description	Shelf ID

Table 23-13 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Card Firmware
Description	Specifies the system address of the network element.

Table 23-14 Site Management IP

Name	Value
Displayed name	Site Management IP
OSS name	siteMgmtIp
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Card Firmware
Description	Specifies the management IP address of the network element.

Table 23-15 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Card Firmware
Description	Specifies the displayed name of the network element.

Table 23-16 Slot

Name	Value
Displayed name	Slot
OSS name	slotId
Type	INT
Default	1
Read-only	yes
Tab|Panel	General|Card Firmware
Description	Slot ID

24 — Card Slot

Table 24-1 Card Slot parameters

Parameters	
Administrative State	Manufacturing Variant
Assigned Card Sub Type	Node Timing
Assigned Card Type	Operational State
Background Diagnostics Fault Reason	Part Number
Background Diagnostics State	Protection Type
Capability	Restoration Criteria
Card Mismatch	Serial Number
CLEI Code	Serving EPC Instance
Commands	Shelf ID
Current Command	Shutdown IOM/IMM for Memory Parity Errors
Equipped Card Sub Type	Site ID
Equipped Card Type	Site Name
Failure Reason	Slot
Hardware Class	Slot ID
Manufacture Date	Status
Manufacturer	Supported Card Types
Manufacturing Assembly No	Unknown Status
Manufacturing Deviations	

Table 24-2 Administrative State

Name	Value
Displayed name	Administrative State

(1 of 2)

Name	Value
OSS name	administrativeState
Type	equipment.AdministrativeState
Default	Unknown
Tab|Panel	General|Equipment
Enumerated types	
Diagnose	
Up	
Locked	
Maintenance	
Unknown	
Not Relevant	
Operate Switch	
Down	
Shutting Down	
Unlocked	

(2 of 2)

Table 24-3 Assigned Card Sub Type

Name	Value
Displayed name	Assigned Card Sub Type
OSS name	assignedCardSubType
Type	equipment.CardSubType
Default	unspecified
Tab|Panel	General|General
Enumerated types	
Occupied by other Card	
112PDM11	
112SA1L	
112SCA1-100GEth	
112SCA1-OTU4	
112SCX10	
112SNA1-100GEth	
112SNA1-OTU4	
112SNX10	
112SX10L	
11DPE12A	

(1 of 5)

Name	Value
11DPE12E	
11DPE12	
11DPM12	
11OPE8	
11QCE12X	
11QPA4	
11QPE24	
11QPEN4	
11STAR1A	
11STAR1	
11STGE12	
11STMM10	
130SCX10	
1DPP24M-Master	
1DPP24M-Slave	
43SCA1-OTU3	
43SCA1-SONET/SDH	
43SCGE1	
43SCX4	
43SCX4E	
43STA1P	
43STX4	
43STX4P	
4DPA2	
4DPA4 FlexMux	
4DPA4 DualTran	
4QPA8	
A2325A	
A2P2125	
AHPHG	
AHPLG	
ALPFGK	
ALPFGT	
ALPHG	
AM2017B	
AM2125A	
AM2125B	

(2 of 5)

Name	Value
AM2318A	
AM2325B	
BTC	
10AN10G	
24ANM	
CWR8-88	
CWR8	
DCM	
HKPCNTL	
EC	
Fan Unit	
FLC	
10ET10G	
24ET1GB	
4AN10G	
8ET1GB	
ITLB	
ITLU	
MT0C	
MESH4	
MVAC8B	
MVAC	
OPSA	
OPSB	
OSC	
OSCT	
PF	
PTPCTL	
PTPIO	
RA2P	
SFC1A	
SFC1B	
SFC1C	
SFC1D	
SFC1E	
SFC1F	
SFC1G	

(3 of 5)

Name	Value
SFC1H	
SFC2A	
SFC2B	
SFC2C	
SFC2D	
SFC4A	
SFC4B	
SFC8	
SFD40B	
SFD40	
SFD44B	
SFD44	
SFD4A	
SFD4B	
SFD4C	
SFD4D	
SFD4E	
SFD4F	
SFD4G	
SFD4H	
SFD5A	
SFD5B	
SFD5C	
SFD5D	
SFD5E	
SFD5F	
SFD5G	
SFD5H	
SFD8A	
SFD8B	
SFD8C	
SFD8D	
SVAC	
11QCUPC	
130SCUP	
MXEC320H	
MTC1T9	

(4 of 5)

Name	Value
User Interface Panel	
WR2-88	
WR8-88A	
WR8-88AF	
WTOCMA	
WTOCM	

(5 of 5)

Table 24-4 Assigned Card Type

Name	Value
Displayed name	Assigned Card Type
OSS name	assignedChildType
Type	equipment.CardType
Default	No Processor/Base Card
Tab|Panel	General|General
Enumerated types	
OS10K-CFM	
OS10K-CMM	
48-Port Gig Ethernet TX (OS10K-GNI-C48E)	
48-Port Gig Ethernet SFP (OS10K-GNI-U48E)	
4-Port 40 Gig Ethernet QSFP+ (OS10K-QNI-U4E)	
8-Port 40 Gig Ethernet QSFP+ (OS10K-QNI-U8E)	
16-Port 10 Gig Ethernet SFP+ (OS10K-XNI-U16E)	
32-Port 10 Gig Ethernet SFP+ (OS10K-XNI-U32E)	
32-Port 10 Gig Ethernet SFP+ (OS10K-XNI-U32S)	
24-Port Fast Ethernet SME(24 TX, 2 Dual TX/FX)	
24-Port Fast Ethernet SME(24 TX, 2 Dual TX/FX) with DC Power Supply	
24-Port Fast Ethernet Metro(24 TX, 2 Dual TX/FX)	
24-Port PoE Gig Ethernet SME(24 TX, 2 Dual TX/FX)	
8-Port Fast Ethernet Metro(8 TX, 2 Dual TX/FX)	
24-Port PoE Gig Ethernet(4 Dual TX/FX, 20 TX)	
24-Port Gig Ethernet (4 Dual TX/FX, 20 TX)	
24-Port Gig Ethernet (2 Dual TX/FX, 22 FX)	
24-Port Gig Ethernet (2 Dual TX/FX, 22 FX) with Internal DC Power Supply	
48-Port PoE Gig Ethernet(4 Dual TX/FX, 44 TX)	
48-Port Gig Ethernet (4 Dual TX/FX, 44 TX)	

(1 of 12)

Name	Value
10-Port PoE Fast/Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
10-Port Fast/Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
10-Port PoE Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
10-Port Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
24-Port Gig Ethernet(22 FX, 4 Dual TX/FX)	
24-Port PoE Fast/Gig Ethernet(24 TX, 2 Dual TX/FX)	
24-Port Fast/Gig Ethernet(24 TX, 2 SFP)	
24-Port PoE Gig Ethernet(24 TX, 2 Dual TX/FX)	
24-Port Gig Ethernet(24 TX, 2 SFP)	
48-Port PoE Fast/Gig Ethernet(48 TX, 2 SFP)	
48-Port Fast/Gig Ethernet(48 TX, 2 SFP)	
48-Port PoE Gig Ethernet(48 TX, 2 SFP)	
48-Port Gig Ethernet(48 TX, 2 SFP)	
24-Port (20 x PoE Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
24-Port (20 x Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
24-Port PoE Gig Ethernet(20 TX, 4 Dual TX/FX)	
24-Port PoE Gig Ethernet (20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP	
24-Port Gig Ethernet (20 TX, 4 Dual TX/FX)	
24-Port Gig Ethernet (20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP	
24-Port Gig Ethernet (22 FX, 2 Dual TX/FX) + 2 x 10-GigE XFP	
48-Port (44 x PoE Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
48-Port (44 x Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
48-Port PoE Gig Ethernet(44 TX, 4 Dual TX/FX)	
48-Port Gig Ethernet (44 TX, 4 Dual TX/FX)	
48-Port PoE Gig Ethernet + 2 x 10-GigE XFP	
48-Port Gig Ethernet + 2 x 10-GigE XFP	
24-Port PoE Gig Ethernet (20 TX, 4 Dual TX/FX) - E	
24-Port PoE Gig Ethernet (20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP - E	
24-Port Gig Ethernet(20 TX, 4 Dual TX/FX) - E	
24-Port Gig Ethernet(20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP - E	
24-Port Gig Ethernet (22 FX, 2 Dual TX/FX) + 2 x 10-GigE XFP - E	
48-Port PoE Gig Ethernet (44 TX, 4 Dual TX/FX) - E	
48-Port Gig Ethernet(44 TX, 4 Dual TX/FX) - E	
48-Port PoE Gig Ethernet (46 TX, 2 Dual TX/FX) + 2 x 10-GigE XFP - E	
48-Port Gig Ethernet (46 TX, 2 Dual TX/FX) + 2 x 10-GigE XFP - E	
24-Port Gig Ethernet (20 TX (4 PoE), 4 Dual TX/FX)	
24-Port Gig Ethernet (22 FX, 2 TX/FX)	

(2 of 12)

Name	Value
24-Port Gig Ethernet (22 FX, 2 TX/FX, 2 FX/STK)	
10-Port Gig Ethernet (8 FX, 2 TX)	
14-Port Gig Ethernet (12 TX (4 PoE), 2 FX)	
6-Port Gig Ethernet (4 x 10 Gig SFP+, 2 x 40 Gig QSFP+) (OS-HNI-U6)	
3-Port 40 Gig Ethernet QSFP+ (OS-QNI-U3)	
20-Port 10 Gig Ethernet (OS6900-T20)	
40-Port 10 Gig Ethernet (OS6900-T40)	
20-Port 10 Gig Ethernet SFP+ (OS6900-X20)	
40-Port 10 Gig Ethernet SFP+ (OS6900-X40)	
8-Port 10 Gig Ethernet (OS-XNI-T8)	
12-Port 10 Gig Ethernet SFP+ (OS-XNI-U12)	
4-Port 10 Gig Ethernet SFP+ (OS-XNI-U4)	
22-Port Gig Ethernet (20 TX, 2 FX) (OS9-GNI-C20L)	
24-Port Gig Ethernet TX (OS9-GNI-C24)	
24-Port Gig Ethernet TX (OS9-GNI-C24E)	
48-Port Gig Ethernet TX (OS9-GNI-C48T)	
24-Port PoE Gig Ethernet TX (OS9-GNI-P24)	
24-Port PoE Gig Ethernet TX (OS9-GNI-P24E)	
24-Port Gig Ethernet FX (OS9-GNI-U24)	
24-Port Gig Ethernet FX (OS9-GNI-U24E)	
12-Port 10 Gig Ethernet SFP+ (OS9-XNI-U12E)	
2-Port 10 Gig Ethernet XFP (OS9-XNI-U2)	
2-Port 10 Gig Ethernet XFP (OS9-XNI-U2E)	
6-Port 10 Gig Ethernet XFP (OS9-XNI-U6)	
OS9600-CMM	
OS9700-CMM	
OS9700E-CMM	
OS9800-CMM	
OS9800E-CMM	
ATCA Hub	
ATCA Blade	
ATCA Molene Blade	
ATCA ShMC	
7710 CFM	
CFM-XP	
7750-SRc4 CFM-C4-XP	
CFM-XP-B	

(3 of 12)

Name	Value
CPM X16	
CPM X20	
7705 1g/10g CSM	
7705 1g CSM	
7705 2.5g CSM	
7705 SAR-8 1g/10g CSM	
HP Workstation	
10-Port GIGE SFP IMM	
10-Port GIGE SFP + 1-Port 10GE XFP IMM	
12-Port 10GE SF IMM	
1-Port 100GE CFP IMM	
1-Port 40GE CFP IMM	
1-Port 40GE OTU3 Long Reach DWDM Tunable IMM	
1-Port OC768 OTU3 Long Reach DWDM Tunable IMM	
2-Port 10GE XFP IMM	
3-Port 40GIGE QSFP IMM	
40-Port 10GE SFP+ IMM	
48-Port GIGE SFP IMM	
48-Port GIGE SFP IMM, B	
48-Port GIGE TX IMM	
48-Port GIGE TX IMM, B	
4-Port 100GE CXP IMM	
4-Port 10GE XFP IMM	
5-Port 10GE XFP IMM	
8-Port 10GE XFP IMM	
8-Port 10GE XFP IMM, B	
1-PAC FP3 IMM	
2-PAC FP3 IMM	
2 x 10-Gig MDA IOM 2	
2 x XP MDA IOM 3	
2 x XP MDA IOM 3, B	
2 x XP MDA IOM 3, C	
2 x 10-Gig MDA Oversubscribed IOM Card	
7710 IOM	
7705 IOM	
2 x 10-Gig MDA IOM	
2 x 10-Gig MDA IOM Card, B	

(4 of 12)

Name	Value
24-Port Gig Ethernet(20 FX, 4 Dual TX/FX)	
24-Port Gig Ethernet(20 TX, 4 Dual TX/FX)	
24-Port Fast-Ethernet	
24-Port Fast-Ethernet FX	
IOM-XP	
48-Port Fast-Ethernet	
7750-SRc4 IOM-C4-XP	
2 x 10/40 Gig MDA IOM card	
7210 IOM	
IOM (CPAA)	
IOM-XP-B	
ISM Mobile	
ISM Mobile B	
M-SFM4-12e	
M-SFM5-12e	
No MCM Card	
Unsupported MCM Card	
MCM-v1	
MCM-XP	
Controller	
Eth Card-A	
Eth Card-B	
Power Amplifier-A	
Power Amplifier-B	
Power Supply-A	
Power Supply-B	
Receiver-A	
Receiver-B	
Relay Card	
TMN Card	
Transmitter-A	
Transmitter-B	
16 x E1 (ASAP)	
AUX	
CORE	
CORE-ENH	
EASv2	

(5 of 12)

Name	Value
1 x Radio Modem	
MSS1	
2 x DS3	
2 x STM	
1 x STM (Channelized)	
32 x E1	
32 x DS1	
2+2 x Ethernet (EAS)	
4+4 x Ethernet (EAS)	
MPRe IOM	
PDN Gateway	
200g CPM / Switch Fabric 2	
400g CPM / Switch Fabric 2	
80g CPM / Switch Fabric 2	
1 Tb CPM / Switch Fabric 4	
CPM / Switch Fabric 4 E	
500g CPM / Switch Fabric 4	
CPM / Switch Fabric 5 E	
100g CPM / Switch Fabric	
200g CPM / Switch Fabric	
250g CPM / Switch Fabric 3	
400g CPM / Switch Fabric	
7210 CPM, Internal	
500g CPM / Switch Fabric 3	
NUAGE-1 VSC CPM	
NUAGE-1 CPM	
120g CPM / Switch Fabric	
SFM X16	
SFM X16 B	
SFM X20	
SFM X20 B	
SFM X20S B	
Sun Workstation	
X4170	
XCM X16	
XCM X20	
Base Band	

(6 of 12)

Name	Value
Board	
Control Board	
SFAN	
SBBU Extension Card	
SBBU Interface Card	
4 x DS1/E1 CE	
12 x 100/1000 SFP + 12 x 10/100/1000 Ethernet	
24 x 10/100/1000 Ethernet SFP	
24 x 10/100/1000 Ethernet SFP + 2 x 10 GigE XFP	
2 x 10 GigE XFP	
6 x 100/1000 SFP + 4 x 10/100/1000 Ethernet	
12 x 10/100/1000 Ethernet SFP + 10 Copper + 4 x 10 GigE XFP	
4 X MWA Gig Ethernet (2 TX, 2 SFP) + 4 X Gig Ethernet SFP	
i8 x MWA Gig Ethernet (100/1000 SFP, 10/100/1000 RJ45) + 4 x FE (10/100 RJ45)	
12 x Serial Data	
16 x Channelized DS1/E1 ASAP	
16 x Channelized DS1/E1 ASAP v2	
i16 x Channelized DS1/E1 ASAP	
i16 x Channelized DS1/E1 ASAP v2	
2 x 10-Gig Bridged Ethernet XFP + 1 x 2.5G Virtual Ethernet	
2 x Channelized OC3/STM1 ASAP SFP	
32 x Channelized DS1/E1 ASAP v2	
i3 x 10/100/1000 Copper Ethernet + 4 x 10/100/1000 Ethernet SFP	
4 x Channelized DS3/E3 ASAP	
2 x Serial Data + 2 x Channelized DS1/E1	
4 x OC3/STM1 ASAP SFP	
6 x 10/100 Ethernet + 2 x 10/100/1000 Ethernet SFP	
6 x 10/100 Ethernet + 2 x 10/100/1000 Ethernet SFP v2	
i8 x 10/100/1000 Ethernet SFP v3	
6 x EM	
6 x FXS Interface	
8 x 10/100/1000 Ethernet SFP	
8 x 10/100/1000 Ethernet SFP v2	
8 x 10/100/1000 Ethernet SFP v3	
i8 x Channelized DS1/E1 ASAP	
8 x FXO Interface	
8 x Voice Teleprotection Interface	

(7 of 12)

Name	Value
Auxiliary Alarm	
1 x Gig Ethernet SFP CMA	
1 X Gig Ethernet XP SFP CMA	
1 x Channelized OC3 CES CMA	
2 x OC12/OC3 CMA	
2 x OC12/OC3 CMA B	
4 x DS3/E3 CMA	
5 X Gig Ethernet XP SFP CMA	
8 x 10/100 Ethernet Tx CMA	
8 X ATM DS1/E1 CMA	
8 x DS1/E1 Channel CMA	
VSM Cross Connect Adaptor	
VSM Cross Connect Adaptor Extended Performance	
20 PORT 10GE SFP + C-XMA	
2 PORT 100GE CFP C-XMA	
6 PORT 40GE QSFP C-XMA	
i1 x GPS Rx	
i3 x Gig SFP + 1 x 10/100/1000 Copper SyncE	
i4 x xDSL Ports	
i3 x Gig SFP + 2 x 10/100/1000 Copper PoE	
i3 x Gig SFP + 2 x 10/100/1000 Copper SyncE	
i3 x Gig SFP + 2 x 10/100/1000 Copper PoE+ SyncE	
i2 x 10/100/Gig Ethernet SFP + 4 x 10/100/Gig Ethernet TX RJ45	
i4 x 10/100/Gig Ethernet(2 SFP, 2 SFP/RJ45 Combo) + 4 x (PoE) 10/100/Gig Ethernet TX	
ICM 2 x 10-Gig Extended Performance XFP	
IMM 12 x 10GE SF	
IMM 1 x 100GE CFP	
IMM 1 x 40GE Extended Performance CFP	
IMM 1 x 40GE OTU3 DWDM Tunable Optics	
IMM 1 x OC768 OTU3 DWDM Tunable Optics	
IMM 24 x 10/100/1000 Ethernet Extended Performance SFP	
IMM 24 x 10/100/1000 Ethernet Extended Performance TX	
IMM 2 x 10GE Extended Performance XFP	
IMM 3 x 40GE Extended Performance QSFP	
IMM 40 x 10GE SFP	
IMM 4 x 100GE CXP	
IMM 4 x 10GE Extended Performance XFP	

(8 of 12)

Name	Value
IMM 5 x 10GE Extended Performance XFP	
IMM 10 x 10/100/1000 Ethernet SFP	
IMM 10 x 10/100/1000 Ethernet SFP + 1 x 10G XFP	
IMM 2 x 10G XFP	
IMM P10 x 10GE SFP	
IMM P1 x 100GE CFP	
IMM P1 x 100GE OTU4 DWDM Tunable Optics	
IMM P20 x 1GE SFP	
IMM P3 x 40GE QSFP	
IMM P6 x 10GE SFP	
ISA2 Tunnel	
ISA Application Assurance	
ISA Broadband Applications	
ISA IP Reassembly	
ISA Tunnel	
ISA Mobile	
ISA Multi-Service	
ISA Multi-Service Export	
ISA TMS	
ISA Video	
Integrated Services Card	
HSMDA 10 x 1 Gig SFP	
1 x 10-Gig Ethernet + 10 x 10/100/1000 Ethernet SFP	
10 x 10/100/1000 Ethernet SFP	
10 x 1-Gig Extended Performance SFP	
10 x 1-Gig Ethernet SFP	
2 x 10-Gig Ethernet + 12 x 1-Gig Ethernet XP	
12 x 1-Gig Extended Performance SFP	
12 x Channelized DS3/E3 ASAP	
12 x DS3/E3 Deep Channel	
16 x ATM OC3 SFP	
16 x ATM OC3 SFP B	
16 x OC12/OC3 SFP	
16 x OC12/OC3 SFP B	
16 x OC3 SFP	
1 x 10-Gig Ethernet DWDM Tunable Optics	
HSMDA 1 x 10-Gig XFP, B	

(9 of 12)

Name	Value
1 x 10-Gig Ethernet XFP	
1 x 10-Gig Extended Performance XFP	
1 x Channelized OC12 ASAP	
1 x Channelized OC12 CES	
1 x OC12 Deep Channel	
1 x Channelized OC3 CES	
Gig Ethernet SFP	
1 x OC192	
1 x 10-Gig Ethernet	
20 x 100 Ethernet Fx	
20 x 10/100/1000 Ethernet SFP	
20 x 10/100/1000 Ethernet Tx	
20 x 10/100/1000 Ethernet Extended Performance SFP	
20 x 10/100/1000 Ethernet Extended Performance TX	
24 x Fast Ethernet 10/100 FX	
24 x Fast Ethernet 10/100 TX	
24 x Gig Ethernet (20 FX, 4 Dual TX/FX)	
24 x Gig Ethernet (20 TX, 4 Dual TX/FX)	
2 x 10-Gig Ethernet XFP	
2 x 10-Gig Extended Performance XFP	
2 x 10Gig Ethernet Extended Performance XFP WaveTracker	
2 x Channelized OC12 ASAP	
2 x OC192 Extended Performance XFP	
2 x OC48 SFP	
m48-10/40G-eth-tx	
48 x Gig Ethernet Extended Performance TX	
48 x Fast Ethernet 10/100 TX	
4 x 10/100 Ethernet TX	
4 x 10-Gig Extended Performance XFP	
4 x 10/100/1000 Ethernet Tx	
4 x ATM OC12/OC3 SFP	
4 x ATM OC12/OC3 SFP B	
4 x DS3/E3 Deep Channel	
4 x Channelized OC3 ASAP	
4 x Channelized OC3 CES	
4 x OC3 Deep Channel	
4 x Gig Ethernet (2 TX, 2 FX)	

(10 of 12)

Name	Value
4 x OC48 SFP	
4 x OC48 SFP B	
5 x 10/100/1000 Ethernet SFP	
5 x 1-Gig Ethernet SFP	
60 x 10/100 Ethernet	
8 x OC12/OC3 SFP	
8 x OC3 SFP	
Power Injector Card	
1 Colour Optical Add/Drop Mux	
2 Colour Optical Add/Drop Mux	
4 Colour Optical Add/Drop Mux	
8 Colour Optical Add/Drop Mux	
XMDA 1p x 10GigE / 10p x 1GigE SFP	
XMDA 1p x 10GigE / 10p x 1GigE SFP v2	
GPON Module	
p1 x GPS Rx	
2 x 10-Gig Bridged Ethernet XFP + 1 x 2.5G Virtual Ethernet Module	
DCM Module	
DSL Module	
i2 x Serial Data	
No Daughter Card	
Unsupported Daughter Card	
40 PORT 10GE SFP+ XMA	
4 PORT 100GE CXP XMA	
DCM:Dispersion Comp. Card	
EC:Equipment Controller Card	
Fan Unit	
ITLB:Interleaver Card	
ITLU:Interleaver Card, Unidirectional	
PF:Power Filter Card	
User Interface Panel	
Amplifier and Associated Cards	
Optical Client/Line Cards	
Filter Card	
Optical Transponder Card	
PTP Card	
Wavelength Router Card	

(11 of 12)

Name	Value
22-Port (8 TX, 12 FX, 2 GE)	
24-Port (8 TX, 12 FX, 4 GE)	
2 x Gig Ethernet 1000 FX	
8 x Fast Ethernet 10/100 TX	
12 x Fast Ethernet 100 FX	
No Processor/Base Card	
No Change	
Unsupported Processor/Base Card	

(12 of 12)

Table 24-5 Background Diagnostics Fault Reason

Name	Value
Displayed name	Background Diagnostics Fault Reason
OSS name	backgroundDiagnosticsFaultReason
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 24-6 Background Diagnostics State

Name	Value
Displayed name	Background Diagnostics State
OSS name	backgroundDiagnosticsState
Type	equipment.BackgroundDiagnosticsStateType
Default	Unknown
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
Critical Fault Detected	
Fault Detected	
N/A	
Ok	
Unknown	

Table 24-7 Capability

Name	Value
Displayed name	Capability
OSS name	cardCapability
Type	equipment.CardCapabilities
Default	ess
Tab|Panel	General|Card Capability
Enumerated types	
ess	
sr	

Table 24-8 Card Mismatch

Name	Value
Displayed name	Card Mismatch
OSS name	replaceableUnitMismatch
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General

Table 24-9 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING
Minimum	0
Maximum	16
Read-only	yes
Tab|Panel	General|Equipment Location Codes

Table 24-10 Commands

Name	Value
Displayed name	Commands
OSS name	protectionSwitchCommands
Type	equipment.Commands
Default	None
Tab|Panel	General|Protection Scheme Parameters
Enumerated types	
Forced	
Lockout	
Manual	
None	

Table 24-11 Current Command

Name	Value
Displayed name	Current Command
OSS name	currentSwitchCommand
Type	equipment.Commands
Default	None
Read-only	yes
Tab|Panel	General|Protection Scheme Parameters
Enumerated types	
Forced	
Lockout	
Manual	
None	

Table 24-12 Equipped Card Sub Type

Name	Value
Displayed name	Equipped Card Sub Type
OSS name	equippedCardSubType
Type	equipment.CardSubType
Default	unspecified
Tab|Panel	General|General

(1 of 5)

Name	Value
Enumerated types	
Occupied by other Card	
112PDM11	
112SA1L	
112SCA1-100GEth	
112SCA1-OTU4	
112SCX10	
112SNA1-100GEth	
112SNA1-OTU4	
112SNX10	
112SX10L	
11DPE12A	
11DPE12E	
11DPE12	
11DPM12	
11OPE8	
11QCE12X	
11QPA4	
11QPE24	
11QPEN4	
11STAR1A	
11STAR1	
11STGE12	
11STMM10	
130SCX10	
1DPP24M-Master	
1DPP24M-Slave	
43SCA1-OTU3	
43SCA1-SONET/SDH	
43SCGE1	
43SCX4	
43SCX4E	
43STA1P	
43STX4	
43STX4P	
4DPA2	
4DPA4 FlexMux	

(2 of 5)

Name	Value
4DPA4 DualTran	
4QPA8	
A2325A	
A2P2125	
AHPHG	
AHPLG	
ALPFGK	
ALPFGT	
ALPHG	
AM2017B	
AM2125A	
AM2125B	
AM2318A	
AM2325B	
BTC	
10AN10G	
24ANM	
CWR8-88	
CWR8	
DCM	
HKPCNTL	
EC	
Fan Unit	
FLC	
10ET10G	
24ET1GB	
4AN10G	
8ET1GB	
ITLB	
ITLU	
MT0C	
MESH4	
MVAC8B	
MVAC	
OPSA	
OPSB	
OSC	

(3 of 5)

Name	Value
OSCT	
PF	
PTPCTL	
PTPIO	
RA2P	
SFC1A	
SFC1B	
SFC1C	
SFC1D	
SFC1E	
SFC1F	
SFC1G	
SFC1H	
SFC2A	
SFC2B	
SFC2C	
SFC2D	
SFC4A	
SFC4B	
SFC8	
SFD40B	
SFD40	
SFD44B	
SFD44	
SFD4A	
SFD4B	
SFD4C	
SFD4D	
SFD4E	
SFD4F	
SFD4G	
SFD4H	
SFD5A	
SFD5B	
SFD5C	
SFD5D	
SFD5E	

(4 of 5)

Name	Value
SFD5F	
SFD5G	
SFD5H	
SFD8A	
SFD8B	
SFD8C	
SFD8D	
SVAC	
11QCUPC	
130SCUP	
MXEC320H	
MTC1T9	
User Interface Panel	
WR2-88	
WR8-88A	
WR8-88AF	
WTOCMA	
WTOCM	

(5 of 5)

Table 24-13 Equipped Card Type

Name	Value
Displayed name	Equipped Card Type
OSS name	equippedChildType
Type	equipment.CardType
Default	No Processor/Base Card
Read-only	yes
Tab|Panel	General|General
Enumerated types	
OS10K-CFM	
OS10K-CMM	
48-Port Gig Ethernet TX (OS10K-GNI-C48E)	
48-Port Gig Ethernet SFP (OS10K-GNI-U48E)	
4-Port 40 Gig Ethernet QSFP+ (OS10K-QNI-U4E)	
8-Port 40 Gig Ethernet QSFP+ (OS10K-QNI-U8E)	
16-Port 10 Gig Ethernet SFP+ (OS10K-XNI-U16E)	

(1 of 12)

Name	Value
32-Port 10 Gig Ethernet SFP+ (OS10K-XNI-U32E)	
32-Port 10 Gig Ethernet SFP+ (OS10K-XNI-U32S)	
24-Port Fast Ethernet SME(24 TX, 2 Dual TX/FX)	
24-Port Fast Ethernet SME(24 TX, 2 Dual TX/FX) with DC Power Supply	
24-Port Fast Ethernet Metro(24 TX, 2 Dual TX/FX)	
24-Port PoE Gig Ethernet SME(24 TX, 2 Dual TX/FX)	
8-Port Fast Ethernet Metro(8 TX, 2 Dual TX/FX)	
24-Port PoE Gig Ethernet(4 Dual TX/FX, 20 TX)	
24-Port Gig Ethernet (4 Dual TX/FX, 20 TX)	
24-Port Gig Ethernet (2 Dual TX/FX, 22 FX)	
24-Port Gig Ethernet (2 Dual TX/FX, 22 FX) with Internal DC Power Supply	
48-Port PoE Gig Ethernet(4 Dual TX/FX, 44 TX)	
48-Port Gig Ethernet (4 Dual TX/FX, 44 TX)	
10-Port PoE Fast/Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
10-Port Fast/Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
10-Port PoE Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
10-Port Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
24-Port Gig Ethernet(22 FX, 4 Dual TX/FX)	
24-Port PoE Fast/Gig Ethernet(24 TX, 2 Dual TX/FX)	
24-Port Fast/Gig Ethernet(24 TX, 2 SFP)	
24-Port PoE Gig Ethernet(24 TX, 2 Dual TX/FX)	
24-Port Gig Ethernet(24 TX, 2 SFP)	
48-Port PoE Fast/Gig Ethernet(48 TX, 2 SFP)	
48-Port Fast/Gig Ethernet(48 TX, 2 SFP)	
48-Port PoE Gig Ethernet(48 TX, 2 SFP)	
48-Port Gig Ethernet(48 TX, 2 SFP)	
24-Port (20 x PoE Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
24-Port (20 x Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
24-Port PoE Gig Ethernet(20 TX, 4 Dual TX/FX)	
24-Port PoE Gig Ethernet (20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP	
24-Port Gig Ethernet (20 TX, 4 Dual TX/FX)	
24-Port Gig Ethernet (20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP	
24-Port Gig Ethernet (22 FX, 2 Dual TX/FX) + 2 x 10-GigE XFP	
48-Port (44 x PoE Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
48-Port (44 x Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
48-Port PoE Gig Ethernet(44 TX, 4 Dual TX/FX)	
48-Port Gig Ethernet (44 TX, 4 Dual TX/FX)	

(2 of 12)

Name	Value
48-Port PoE Gig Ethernet + 2 x 10-GigE XFP	
48-Port Gig Ethernet + 2 x 10-GigE XFP	
24-Port PoE Gig Ethernet (20 TX, 4 Dual TX/FX) - E	
24-Port PoE Gig Ethernet (20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP - E	
24-Port Gig Ethernet(20 TX, 4 Dual TX/FX) - E	
24-Port Gig Ethernet(20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP - E	
24-Port Gig Ethernet (22 FX, 2 Dual TX/FX) + 2 x 10-GigE XFP - E	
48-Port PoE Gig Ethernet (44 TX, 4 Dual TX/FX) - E	
48-Port Gig Ethernet(44 TX, 4 Dual TX/FX) - E	
48-Port PoE Gig Ethernet (46 TX, 2 Dual TX/FX) + 2 x 10-GigE XFP - E	
48-Port Gig Ethernet (46 TX, 2 Dual TX/FX) + 2 x 10-GigE XFP - E	
24-Port Gig Ethernet (20 TX (4 PoE), 4 Dual TX/FX)	
24-Port Gig Ethernet (22 FX, 2 TX/FX)	
24-Port Gig Ethernet (22 FX, 2 TX/FX, 2 FX/STK)	
10-Port Gig Ethernet (8 FX, 2 TX)	
14-Port Gig Ethernet (12 TX (4 PoE), 2 FX)	
6-Port Gig Ethernet (4 x 10 Gig SFP+, 2 x 40 Gig QSFP+) (OS-HNI-U6)	
3-Port 40 Gig Ethernet QSFP+ (OS-QNI-U3)	
20-Port 10 Gig Ethernet (OS6900-T20)	
40-Port 10 Gig Ethernet (OS6900-T40)	
20-Port 10 Gig Ethernet SFP+ (OS6900-X20)	
40-Port 10 Gig Ethernet SFP+ (OS6900-X40)	
8-Port 10 Gig Ethernet (OS-XNI-T8)	
12-Port 10 Gig Ethernet SFP+ (OS-XNI-U12)	
4-Port 10 Gig Ethernet SFP+ (OS-XNI-U4)	
22-Port Gig Ethernet (20 TX, 2 FX) (OS9-GNI-C20L)	
24-Port Gig Ethernet TX (OS9-GNI-C24)	
24-Port Gig Ethernet TX (OS9-GNI-C24E)	
48-Port Gig Ethernet TX (OS9-GNI-C48T)	
24-Port PoE Gig Ethernet TX (OS9-GNI-P24)	
24-Port PoE Gig Ethernet TX (OS9-GNI-P24E)	
24-Port Gig Ethernet FX (OS9-GNI-U24)	
24-Port Gig Ethernet FX (OS9-GNI-U24E)	
12-Port 10 Gig Ethernet SFP+ (OS9-XNI-U12E)	
2-Port 10 Gig Ethernet XFP (OS9-XNI-U2)	
2-Port 10 Gig Ethernet XFP (OS9-XNI-U2E)	
6-Port 10 Gig Ethernet XFP (OS9-XNI-U6)	

(3 of 12)

Name	Value
OS9600-CMM	
OS9700-CMM	
OS9700E-CMM	
OS9800-CMM	
OS9800E-CMM	
ATCA Hub	
ATCA Blade	
ATCA Molene Blade	
ATCA ShMC	
7710 CFM	
CFM-XP	
7750-SRc4 CFM-C4-XP	
CFM-XP-B	
CPM X16	
CPM X20	
7705 1g/10g CSM	
7705 1g CSM	
7705 2.5g CSM	
7705 SAR-8 1g/10g CSM	
HP Workstation	
10-Port GIGE SFP IMM	
10-Port GIGE SFP + 1-Port 10GE XFP IMM	
12-Port 10GE SF IMM	
1-Port 100GE CFP IMM	
1-Port 40GE CFP IMM	
1-Port 40GE OTU3 Long Reach DWDM Tunable IMM	
1-Port OC768 OTU3 Long Reach DWDM Tunable IMM	
2-Port 10GE XFP IMM	
3-Port 40GIGE QSFP IMM	
40-Port 10GE SFP+ IMM	
48-Port GIGE SFP IMM	
48-Port GIGE SFP IMM, B	
48-Port GIGE TX IMM	
48-Port GIGE TX IMM, B	
4-Port 100GE CXP IMM	
4-Port 10GE XFP IMM	
5-Port 10GE XFP IMM	

(4 of 12)

Name	Value
8-Port 10GE XFP IMM	
8-Port 10GE XFP IMM, B	
1-PAC FP3 IMM	
2-PAC FP3 IMM	
2 x 10-Gig MDA IOM 2	
2 x XP MDA IOM 3	
2 x XP MDA IOM 3, B	
2 x XP MDA IOM 3, C	
2 x 10-Gig MDA Oversubscribed IOM Card	
7710 IOM	
7705 IOM	
2 x 10-Gig MDA IOM	
2 x 10-Gig MDA IOM Card, B	
24-Port Gig Ethernet(20 FX, 4 Dual TX/FX)	
24-Port Gig Ethernet(20 TX, 4 Dual TX/FX)	
24-Port Fast-Ethernet	
24-Port Fast-Ethernet FX	
IOM-XP	
48-Port Fast-Ethernet	
7750-SRc4 IOM-C4-XP	
2 x 10/40 Gig MDA IOM card	
7210 IOM	
IOM (CPAA)	
IOM-XP-B	
ISM Mobile	
ISM Mobile B	
M-SFM4-12e	
M-SFM5-12e	
No MCM Card	
Unsupported MCM Card	
MCM-v1	
MCM-XP	
Controller	
Eth Card-A	
Eth Card-B	
Power Amplifier-A	
Power Amplifier-B	

(5 of 12)

Name	Value
Power Supply-A	
Power Supply-B	
Receiver-A	
Receiver-B	
Relay Card	
TMN Card	
Transmitter-A	
Transmitter-B	
16 x E1 (ASAP)	
AUX	
CORE	
CORE-ENH	
EASv2	
1 x Radio Modem	
MSS1	
2 x DS3	
2 x STM	
1 x STM (Channelized)	
32 x E1	
32 x DS1	
2+2 x Ethernet (EAS)	
4+4 x Ethernet (EAS)	
MPRe IOM	
PDN Gateway	
200g CPM / Switch Fabric 2	
400g CPM / Switch Fabric 2	
80g CPM / Switch Fabric 2	
1 Tb CPM / Switch Fabric 4	
CPM / Switch Fabric 4 E	
500g CPM / Switch Fabric 4	
CPM / Switch Fabric 5 E	
100g CPM / Switch Fabric	
200g CPM / Switch Fabric	
250g CPM / Switch Fabric 3	
400g CPM / Switch Fabric	
7210 CPM, Internal	
500g CPM / Switch Fabric 3	

(6 of 12)

Name	Value
NUAGE-1 VSC CPM	
NUAGE-1 CPM	
120g CPM / Switch Fabric	
SFM X16	
SFM X16 B	
SFM X20	
SFM X20 B	
SFM X20S B	
Sun Workstation	
X4170	
XCM X16	
XCM X20	
Base Band	
Board	
Control Board	
SFAN	
SBBU Extension Card	
SBBU Interface Card	
4 x DS1/E1 CE	
12 x 100/1000 SFP + 12 x 10/100/1000 Ethernet	
24 x 10/100/1000 Ethernet SFP	
24 x 10/100/1000 Ethernet SFP + 2 x 10 GigE XFP	
2 x 10 GigE XFP	
6 x 100/1000 SFP + 4 x 10/100/1000 Ethernet	
12 x 10/100/1000 Ethernet SFP + 10 Copper + 4 x 10 GigE XFP	
4 X MWA Gig Ethernet (2 TX, 2 SFP) + 4 X Gig Ethernet SFP	
i8 x MWA Gig Ethernet (100/1000 SFP, 10/100/1000 RJ45) + 4 x FE (10/100 RJ45)	
12 x Serial Data	
16 x Channelized DS1/E1 ASAP	
16 x Channelized DS1/E1 ASAP v2	
i16 x Channelized DS1/E1 ASAP	
i16 x Channelized DS1/E1 ASAP v2	
2 x 10-Gig Bridged Ethernet XFP + 1 x 2.5G Virtual Ethernet	
2 x Channelized OC3/STM1 ASAP SFP	
32 x Channelized DS1/E1 ASAP v2	
i3 x 10/100/1000 Copper Ethernet + 4 x 10/100/1000 Ethernet SFP	
4 x Channelized DS3/E3 ASAP	

(7 of 12)

Name	Value
2 x Serial Data + 2 x Channelized DS1/E1	
4 x OC3/STM1 ASAP SFP	
6 x 10/100 Ethernet + 2 x 10/100/1000 Ethernet SFP	
6 x 10/100 Ethernet + 2 x 10/100/1000 Ethernet SFP v2	
i8 x 10/100/1000 Ethernet SFP v3	
6 x EM	
6 x FXS Interface	
8 x 10/100/1000 Ethernet SFP	
8 x 10/100/1000 Ethernet SFP v2	
8 x 10/100/1000 Ethernet SFP v3	
i8 x Channelized DS1/E1 ASAP	
8 x FXO Interface	
8 x Voice Teleprotection Interface	
Auxiliary Alarm	
1 x Gig Ethernet SFP CMA	
1 X Gig Ethernet XP SFP CMA	
1 x Channelized OC3 CES CMA	
2 x OC12/OC3 CMA	
2 x OC12/OC3 CMA B	
4 x DS3/E3 CMA	
5 X Gig Ethernet XP SFP CMA	
8 x 10/100 Ethernet Tx CMA	
8 X ATM DS1/E1 CMA	
8 x DS1/E1 Channel CMA	
VSM Cross Connect Adaptor	
VSM Cross Connect Adaptor Extended Performance	
20 PORT 10GE SFP + C-XMA	
2 PORT 100GE CFP C-XMA	
6 PORT 40GE QSFP C-XMA	
i1 x GPS Rx	
i3 x Gig SFP + 1 x 10/100/1000 Copper SyncE	
i4 x xDSL Ports	
i3 x Gig SFP + 2 x 10/100/1000 Copper PoE	
i3 x Gig SFP + 2 x 10/100/1000 Copper SyncE	
i3 x Gig SFP + 2 x 10/100/1000 Copper PoE+ SyncE	
i2 x 10/100/Gig Ethernet SFP + 4 x 10/100/Gig Ethernet TX RJ45	
i4 x 10/100/Gig Ethernet(2 SFP, 2 SFP/RJ45 Combo) + 4 x (PoE) 10/100/Gig Ethernet TX	

(8 of 12)

Name	Value
ICM 2 x 10-Gig Extended Performance XFP	
IMM 12 x 10GE SF	
IMM 1 x 100GE CFP	
IMM 1 x 40GE Extended Performance CFP	
IMM 1 x 40GE OTU3 DWDM Tunable Optics	
IMM 1 x OC768 OTU3 DWDM Tunable Optics	
IMM 24 x 10/100/1000 Ethernet Extended Performance SFP	
IMM 24 x 10/100/1000 Ethernet Extended Performance TX	
IMM 2 x 10GE Extended Performance XFP	
IMM 3 x 40GE Extended Performance QSFP	
IMM 40 x 10GE SFP	
IMM 4 x 100GE CXP	
IMM 4 x 10GE Extended Performance XFP	
IMM 5 x 10GE Extended Performance XFP	
IMM 10 x 10/100/1000 Ethernet SFP	
IMM 10 x 10/100/1000 Ethernet SFP + 1 x 10G XFP	
IMM 2 x 10G XFP	
IMM P10 x 10GE SFP	
IMM P1 x 100GE CFP	
IMM P1 x 100GE OTU4 DWDM Tunable Optics	
IMM P20 x 1GE SFP	
IMM P3 x 40GE QSFP	
IMM P6 x 10GE SFP	
ISA2 Tunnel	
ISA Application Assurance	
ISA Broadband Applications	
ISA IP Reassembly	
ISA Tunnel	
ISA Mobile	
ISA Multi-Service	
ISA Multi-Service Export	
ISA TMS	
ISA Video	
Integrated Services Card	
HSMDA 10 x 1 Gig SFP	
1 x 10-Gig Ethernet + 10 x 10/100/1000 Ethernet SFP	
10 x 10/100/1000 Ethernet SFP	

(9 of 12)

Name	Value
10 x 1-Gig Extended Performance SFP	
10 x 1-Gig Ethernet SFP	
2 x 10-Gig Ethernet + 12 x 1-Gig Ethernet XP	
12 x 1-Gig Extended Performance SFP	
12 x Channelized DS3/E3 ASAP	
12 x DS3/E3 Deep Channel	
16 x ATM OC3 SFP	
16 x ATM OC3 SFP B	
16 x OC12/OC3 SFP	
16 x OC12/OC3 SFP B	
16 x OC3 SFP	
1 x 10-Gig Ethernet DWDM Tunable Optics	
HSMDA 1 x 10-Gig XFP, B	
1 x 10-Gig Ethernet XFP	
1 x 10-Gig Extended Performance XFP	
1 x Channelized OC12 ASAP	
1 x Channelized OC12 CES	
1 x OC12 Deep Channel	
1 x Channelized OC3 CES	
Gig Ethernet SFP	
1 x OC192	
1 x 10-Gig Ethernet	
20 x 100 Ethernet Fx	
20 x 10/100/1000 Ethernet SFP	
20 x 10/100/1000 Ethernet Tx	
20 x 10/100/1000 Ethernet Extended Performance SFP	
20 x 10/100/1000 Ethernet Extended Performance TX	
24 x Fast Ethernet 10/100 FX	
24 x Fast Ethernet 10/100 TX	
24 x Gig Ethernet (20 FX, 4 Dual TX/FX)	
24 x Gig Ethernet (20 TX, 4 Dual TX/FX)	
2 x 10-Gig Ethernet XFP	
2 x 10-Gig Extended Performance XFP	
2 x 10Gig Ethernet Extended Performance XFP WaveTracker	
2 x Channelized OC12 ASAP	
2 x OC192 Extended Performance XFP	
2 x OC48 SFP	

(10 of 12)

Name	Value
m48-10/40G-eth-tx	
48 x Gig Ethernet Extended Performance TX	
48 x Fast Ethernet 10/100 TX	
4 x 10/100 Ethernet TX	
4 x 10-Gig Extended Performance XFP	
4 x 10/100/1000 Ethernet Tx	
4 x ATM OC12/OC3 SFP	
4 x ATM OC12/OC3 SFP B	
4 x DS3/E3 Deep Channel	
4 x Channelized OC3 ASAP	
4 x Channelized OC3 CES	
4 x OC3 Deep Channel	
4 x Gig Ethernet (2 TX, 2 FX)	
4 x OC48 SFP	
4 x OC48 SFP B	
5 x 10/100/1000 Ethernet SFP	
5 x 1-Gig Ethernet SFP	
60 x 10/100 Ethernet	
8 x OC12/OC3 SFP	
8 x OC3 SFP	
Power Injector Card	
1 Colour Optical Add/Drop Mux	
2 Colour Optical Add/Drop Mux	
4 Colour Optical Add/Drop Mux	
8 Colour Optical Add/Drop Mux	
XMDA 1p x 10GigE / 10p x 1GigE SFP	
XMDA 1p x 10GigE / 10p x 1GigE SFP v2	
GPON Module	
p1 x GPS Rx	
2 x 10-Gig Bridged Ethernet XFP + 1 x 2.5G Virtual Ethernet Module	
DCM Module	
DSL Module	
i2 x Serial Data	
No Daughter Card	
Unsupported Daughter Card	
40 PORT 10GE SFP+ XMA	
4 PORT 100GE CXP XMA	

(11 of 12)

Name	Value
DCM:Dispersion Comp. Card	
EC:Equipment Controller Card	
Fan Unit	
ITLB:Interleaver Card	
ITLU:Interleaver Card, Unidirectional	
PF:Power Filter Card	
User Interface Panel	
Amplifier and Associated Cards	
Optical Client/Line Cards	
Filter Card	
Optical Transponder Card	
PTP Card	
Wavelength Router Card	
22-Port (8 TX, 12 FX, 2 GE)	
24-Port (8 TX, 12 FX, 4 GE)	
2 x Gig Ethernet 1000 FX	
8 x Fast Ethernet 10/100 TX	
12 x Fast Ethernet 100 FX	
No Processor/Base Card	
No Change	
Unsupported Processor/Base Card	

(12 of 12)

Table 24-14 Failure Reason

Name	Value
Displayed name	Failure Reason
OSS name	hardwareFailureReason
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 24-15 Hardware Class

Name	Value
Displayed name	Hardware Class
OSS name	hardwareClass
Type	equipment.HardwareClassType
Default	no
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
External Alarm Input	
Fam	
N/A	

Table 24-16 Manufacture Date

Name	Value
Displayed name	Manufacture Date
OSS name	manufactureDate
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 24-17 Manufacturer

Name	Value
Displayed name	Manufacturer
OSS name	manufacturer
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 24-18 Manufacturing Assembly No

Name	Value
Displayed name	Manufacturing Assembly No
OSS name	manufacturingAssemblyNo
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 24-19 Manufacturing Deviations

Name	Value
Displayed name	Manufacturing Deviations
OSS name	manufacturingDeviations
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 24-20 Manufacturing Variant

Name	Value
Displayed name	Manufacturing Variant
OSS name	manufacturingVariant
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 24-21 Node Timing

Name	Value
Displayed name	Node Timing
OSS name	nodeTiming
Type	INT
Default	none
Tab|Panel	General|PDH Layer Configuration

Table 24-22 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	equipment.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	General|Equipment
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	
Provisioned	
Reserved	
Reset Pending	
Shutting Down	
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

Table 24-23 Part Number

Name	Value
Displayed name	Part Number

(1 of 2)

Name	Value
OSS name	manufacturerBoardNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 24-24 Protection Type

Name	Value
Displayed name	Protection Type
OSS name	cardProtectionType
Type	equipment.CardProtType
Default	No Protection
Tab|Panel	General|Protection Type
Enumerated types	
1+1 EPS	
1+1 FD	
1+1 HSB	
No Protection	

Table 24-25 Restoration Criteria

Name	Value
Displayed name	Restoration Criteria
OSS name	protectionRestorationCriteria
Type	equipment.RestorationType
Default	Revertive
Tab|Panel	General|Protection Scheme Parameters
Enumerated types	
Not Revertive	
Revertive	

Table 24-26 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	serialNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 24-27 Serving EPC Instance

Name	Value
Displayed name	Serving EPC Instance
OSS name	mgGroupAssociation
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Mobile Gateway
Description	The ISA-MG Group the Base Card in this Slot is servicing. Only applies in the context of a Serving or PDN Gateway.

Table 24-28 Shelf ID

Name	Value
Displayed name	Shelf ID
OSS name	shelfId
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|General

Table 24-29 Shutdown IOM/IMM for Memory Parity Errors

Name	Value
Displayed name	Shutdown IOM/IMM for Memory Parity Errors
OSS name	failOnError

(1 of 2)

Name	Value
Type	equipment.FailOnError
Tab|Panel	General|Fail On Error
Enumerated types	
Fail On Error	

(2 of 2)

Table 24-30 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Equipment

Table 24-31 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Equipment

Table 24-32 Slot

Name	Value
Displayed name	Slot
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 24-33 Slot ID

Name	Value
Displayed name	Slot ID
OSS name	slotId
Type	INT
Minimum	1
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 24-34 Status

Name	Value
Displayed name	Status
OSS name	protectionSwitchStatus
Type	equipment.SwitchStatus
Default	Active
Read-only	yes
Tab|Panel	General|Protection Scheme Parameters
Enumerated types	
Active	
Standby	

Table 24-35 Supported Card Types

Name	Value
Displayed name	Supported Card Types
OSS name	supportedChildTypes
Type	equipment.CardType
Default	No Processor/Base Card
Read-only	yes
Tab|Panel	General|General
Enumerated types	
OS10K-CFM	
OS10K-CMM	
48-Port Gig Ethernet TX (OS10K-GNI-C48E)	

(1 of 12)

Name	Value
48-Port Gig Ethernet SFP (OS10K-GNI-U48E)	
4-Port 40 Gig Ethernet QSFP+ (OS10K-QNI-U4E)	
8-Port 40 Gig Ethernet QSFP+ (OS10K-QNI-U8E)	
16-Port 10 Gig Ethernet SFP+ (OS10K-XNI-U16E)	
32-Port 10 Gig Ethernet SFP+ (OS10K-XNI-U32E)	
32-Port 10 Gig Ethernet SFP+ (OS10K-XNI-U32S)	
24-Port Fast Ethernet SME(24 TX, 2 Dual TX/FX)	
24-Port Fast Ethernet SME(24 TX, 2 Dual TX/FX) with DC Power Supply	
24-Port Fast Ethernet Metro(24 TX, 2 Dual TX/FX)	
24-Port PoE Gig Ethernet SME(24 TX, 2 Dual TX/FX)	
8-Port Fast Ethernet Metro(8 TX, 2 Dual TX/FX)	
24-Port PoE Gig Ethernet(4 Dual TX/FX, 20 TX)	
24-Port Gig Ethernet (4 Dual TX/FX, 20 TX)	
24-Port Gig Ethernet (2 Dual TX/FX, 22 FX)	
24-Port Gig Ethernet (2 Dual TX/FX, 22 FX) with Internal DC Power Supply	
48-Port PoE Gig Ethernet(4 Dual TX/FX, 44 TX)	
48-Port Gig Ethernet (4 Dual TX/FX, 44 TX)	
10-Port PoE Fast/Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
10-Port Fast/Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
10-Port PoE Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
10-Port Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
24-Port Gig Ethernet(22 FX, 4 Dual TX/FX)	
24-Port PoE Fast/Gig Ethernet(24 TX, 2 Dual TX/FX)	
24-Port Fast/Gig Ethernet(24 TX, 2 SFP)	
24-Port PoE Gig Ethernet(24 TX, 2 Dual TX/FX)	
24-Port Gig Ethernet(24 TX, 2 SFP)	
48-Port PoE Fast/Gig Ethernet(48 TX, 2 SFP)	
48-Port Fast/Gig Ethernet(48 TX, 2 SFP)	
48-Port PoE Gig Ethernet(48 TX, 2 SFP)	
48-Port Gig Ethernet(48 TX, 2 SFP)	
24-Port (20 x PoE Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
24-Port (20 x Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
24-Port PoE Gig Ethernet(20 TX, 4 Dual TX/FX)	
24-Port PoE Gig Ethernet (20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP	
24-Port Gig Ethernet (20 TX, 4 Dual TX/FX)	
24-Port Gig Ethernet (20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP	
24-Port Gig Ethernet (22 FX, 2 Dual TX/FX) + 2 x 10-GigE XFP	

(2 of 12)

Name	Value
48-Port (44 x PoE Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
48-Port (44 x Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
48-Port PoE Gig Ethernet(44 TX, 4 Dual TX/FX)	
48-Port Gig Ethernet (44 TX, 4 Dual TX/FX)	
48-Port PoE Gig Ethernet + 2 x 10-GigE XFP	
48-Port Gig Ethernet + 2 x 10-GigE XFP	
24-Port PoE Gig Ethernet (20 TX, 4 Dual TX/FX) - E	
24-Port PoE Gig Ethernet (20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP - E	
24-Port Gig Ethernet(20 TX, 4 Dual TX/FX) - E	
24-Port Gig Ethernet(20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP - E	
24-Port Gig Ethernet (22 FX, 2 Dual TX/FX) + 2 x 10-GigE XFP - E	
48-Port PoE Gig Ethernet (44 TX, 4 Dual TX/FX) - E	
48-Port Gig Ethernet(44 TX, 4 Dual TX/FX) - E	
48-Port PoE Gig Ethernet (46 TX, 2 Dual TX/FX) + 2 x 10-GigE XFP - E	
48-Port Gig Ethernet (46 TX, 2 Dual TX/FX) + 2 x 10-GigE XFP - E	
24-Port Gig Ethernet (20 TX (4 PoE), 4 Dual TX/FX)	
24-Port Gig Ethernet (22 FX, 2 TX/FX)	
24-Port Gig Ethernet (22 FX, 2 TX/FX, 2 FX/STK)	
10-Port Gig Ethernet (8 FX, 2 TX)	
14-Port Gig Ethernet (12 TX (4 PoE), 2 FX)	
6-Port Gig Ethernet (4 x 10 Gig SFP+, 2 x 40 Gig QSFP+) (OS-HNI-U6)	
3-Port 40 Gig Ethernet QSFP+ (OS-QNI-U3)	
20-Port 10 Gig Ethernet (OS6900-T20)	
40-Port 10 Gig Ethernet (OS6900-T40)	
20-Port 10 Gig Ethernet SFP+ (OS6900-X20)	
40-Port 10 Gig Ethernet SFP+ (OS6900-X40)	
8-Port 10 Gig Ethernet (OS-XNI-T8)	
12-Port 10 Gig Ethernet SFP+ (OS-XNI-U12)	
4-Port 10 Gig Ethernet SFP+ (OS-XNI-U4)	
22-Port Gig Ethernet (20 TX, 2 FX) (OS9-GNI-C20L)	
24-Port Gig Ethernet TX (OS9-GNI-C24)	
24-Port Gig Ethernet TX (OS9-GNI-C24E)	
48-Port Gig Ethernet TX (OS9-GNI-C48T)	
24-Port PoE Gig Ethernet TX (OS9-GNI-P24)	
24-Port PoE Gig Ethernet TX (OS9-GNI-P24E)	
24-Port Gig Ethernet FX (OS9-GNI-U24)	
24-Port Gig Ethernet FX (OS9-GNI-U24E)	

(3 of 12)

Name	Value
12-Port 10 Gig Ethernet SFP+ (OS9-XNI-U12E)	
2-Port 10 Gig Ethernet XFP (OS9-XNI-U2)	
2-Port 10 Gig Ethernet XFP (OS9-XNI-U2E)	
6-Port 10 Gig Ethernet XFP (OS9-XNI-U6)	
OS9600-CMM	
OS9700-CMM	
OS9700E-CMM	
OS9800-CMM	
OS9800E-CMM	
ATCA Hub	
ATCA Blade	
ATCA Molene Blade	
ATCA ShMC	
7710 CFM	
CFM-XP	
7750-SRc4 CFM-C4-XP	
CFM-XP-B	
CPM X16	
CPM X20	
7705 1g/10g CSM	
7705 1g CSM	
7705 2.5g CSM	
7705 SAR-8 1g/10g CSM	
HP Workstation	
10-Port GIGE SFP IMM	
10-Port GIGE SFP + 1-Port 10GE XFP IMM	
12-Port 10GE SF IMM	
1-Port 100GE CFP IMM	
1-Port 40GE CFP IMM	
1-Port 40GE OTU3 Long Reach DWDM Tunable IMM	
1-Port OC768 OTU3 Long Reach DWDM Tunable IMM	
2-Port 10GE XFP IMM	
3-Port 40GIGE QSFP IMM	
40-Port 10GE SFP+ IMM	
48-Port GIGE SFP IMM	
48-Port GIGE SFP IMM, B	
48-Port GIGE TX IMM	

(4 of 12)

Name	Value
48-Port GIGE TX IMM, B	
4-Port 100GE CXP IMM	
4-Port 10GE XFP IMM	
5-Port 10GE XFP IMM	
8-Port 10GE XFP IMM	
8-Port 10GE XFP IMM, B	
1-PAC FP3 IMM	
2-PAC FP3 IMM	
2 x 10-Gig MDA IOM 2	
2 x XP MDA IOM 3	
2 x XP MDA IOM 3, B	
2 x XP MDA IOM 3, C	
2 x 10-Gig MDA Oversubscribed IOM Card	
7710 IOM	
7705 IOM	
2 x 10-Gig MDA IOM	
2 x 10-Gig MDA IOM Card, B	
24-Port Gig Ethernet(20 FX, 4 Dual TX/FX)	
24-Port Gig Ethernet(20 TX, 4 Dual TX/FX)	
24-Port Fast-Ethernet	
24-Port Fast-Ethernet FX	
IOM-XP	
48-Port Fast-Ethernet	
7750-SRc4 IOM-C4-XP	
2 x 10/40 Gig MDA IOM card	
7210 IOM	
IOM (CPAA)	
IOM-XP-B	
ISM Mobile	
ISM Mobile B	
M-SFM4-12e	
M-SFM5-12e	
No MCM Card	
Unsupported MCM Card	
MCM-v1	
MCM-XP	
Controller	

(5 of 12)

Name	Value
Eth Card-A	
Eth Card-B	
Power Amplifier-A	
Power Amplifier-B	
Power Supply-A	
Power Supply-B	
Receiver-A	
Receiver-B	
Relay Card	
TMN Card	
Transmitter-A	
Transmitter-B	
16 x E1 (ASAP)	
AUX	
CORE	
CORE-ENH	
EASv2	
1 x Radio Modem	
MSS1	
2 x DS3	
2 x STM	
1 x STM (Channelized)	
32 x E1	
32 x DS1	
2+2 x Ethernet (EAS)	
4+4 x Ethernet (EAS)	
MPRe IOM	
PDN Gateway	
200g CPM / Switch Fabric 2	
400g CPM / Switch Fabric 2	
80g CPM / Switch Fabric 2	
1 Tb CPM / Switch Fabric 4	
CPM / Switch Fabric 4 E	
500g CPM / Switch Fabric 4	
CPM / Switch Fabric 5 E	
100g CPM / Switch Fabric	
200g CPM / Switch Fabric	

(6 of 12)

Name	Value
250g CPM / Switch Fabric 3	
400g CPM / Switch Fabric	
7210 CPM, Internal	
500g CPM / Switch Fabric 3	
NUAGE-1 VSC CPM	
NUAGE-1 CPM	
120g CPM / Switch Fabric	
SFM X16	
SFM X16 B	
SFM X20	
SFM X20 B	
SFM X20S B	
Sun Workstation	
X4170	
XCM X16	
XCM X20	
Base Band	
Board	
Control Board	
SFAN	
SBBU Extension Card	
SBBU Interface Card	
4 x DS1/E1 CE	
12 x 100/1000 SFP + 12 x 10/100/1000 Ethernet	
24 x 10/100/1000 Ethernet SFP	
24 x 10/100/1000 Ethernet SFP + 2 x 10 GigE XFP	
2 x 10 GigE XFP	
6 x 100/1000 SFP + 4 x 10/100/1000 Ethernet	
12 x 10/100/1000 Ethernet SFP + 10 Copper + 4 x 10 GigE XFP	
4 X MWA Gig Ethernet (2 TX, 2 SFP) + 4 X Gig Ethernet SFP	
i8 x MWA Gig Ethernet (100/1000 SFP, 10/100/1000 RJ45) + 4 x FE (10/100 RJ45)	
12 x Serial Data	
16 x Channelized DS1/E1 ASAP	
16 x Channelized DS1/E1 ASAP v2	
i16 x Channelized DS1/E1 ASAP	
i16 x Channelized DS1/E1 ASAP v2	
2 x 10-Gig Bridged Ethernet XFP + 1 x 2.5G Virtual Ethernet	

(7 of 12)

Name	Value
2 x Channelized OC3/STM1 ASAP SFP	
32 x Channelized DS1/E1 ASAP v2	
i3 x 10/100/1000 Copper Ethernet + 4 x 10/100/1000 Ethernet SFP	
4 x Channelized DS3/E3 ASAP	
2 x Serial Data + 2 x Channelized DS1/E1	
4 x OC3/STM1 ASAP SFP	
6 x 10/100 Ethernet + 2 x 10/100/1000 Ethernet SFP	
6 x 10/100 Ethernet + 2 x 10/100/1000 Ethernet SFP v2	
i8 x 10/100/1000 Ethernet SFP v3	
6 x EM	
6 x FXS Interface	
8 x 10/100/1000 Ethernet SFP	
8 x 10/100/1000 Ethernet SFP v2	
8 x 10/100/1000 Ethernet SFP v3	
i8 x Channelized DS1/E1 ASAP	
8 x FXO Interface	
8 x Voice Teleprotection Interface	
Auxiliary Alarm	
1 x Gig Ethernet SFP CMA	
1 X Gig Ethernet XP SFP CMA	
1 x Channelized OC3 CES CMA	
2 x OC12/OC3 CMA	
2 x OC12/OC3 CMA B	
4 x DS3/E3 CMA	
5 X Gig Ethernet XP SFP CMA	
8 x 10/100 Ethernet Tx CMA	
8 X ATM DS1/E1 CMA	
8 x DS1/E1 Channel CMA	
VSM Cross Connect Adaptor	
VSM Cross Connect Adaptor Extended Performance	
20 PORT 10GE SFP + C-XMA	
2 PORT 100GE CFP C-XMA	
6 PORT 40GE QSFP C-XMA	
i1 x GPS Rx	
i3 x Gig SFP + 1 x 10/100/1000 Copper SyncE	
i4 x xDSL Ports	
i3 x Gig SFP + 2 x 10/100/1000 Copper PoE	

(8 of 12)

Name	Value
i3 x Gig SFP + 2 x 10/100/1000 Copper SyncE	
i3 x Gig SFP + 2 x 10/100/1000 Copper PoE+ SyncE	
i2 x 10/100/Gig Ethernet SFP + 4 x 10/100/Gig Ethernet TX RJ45	
i4 x 10/100/Gig Ethernet(2 SFP, 2 SFP/RJ45 Combo) + 4 x (PoE) 10/100/Gig Ethernet TX	
ICM 2 x 10-Gig Extended Performance XFP	
IMM 12 x 10GE SF	
IMM 1 x 100GE CFP	
IMM 1 x 40GE Extended Performance CFP	
IMM 1 x 40GE OTU3 DWDM Tunable Optics	
IMM 1 x OC768 OTU3 DWDM Tunable Optics	
IMM 24 x 10/100/1000 Ethernet Extended Performance SFP	
IMM 24 x 10/100/1000 Ethernet Extended Performance TX	
IMM 2 x 10GE Extended Performance XFP	
IMM 3 x 40GE Extended Performance QSFP	
IMM 40 x 10GE SFP	
IMM 4 x 100GE CXP	
IMM 4 x 10GE Extended Performance XFP	
IMM 5 x 10GE Extended Performance XFP	
IMM 10 x 10/100/1000 Ethernet SFP	
IMM 10 x 10/100/1000 Ethernet SFP + 1 x 10G XFP	
IMM 2 x 10G XFP	
IMM P10 x 10GE SFP	
IMM P1 x 100GE CFP	
IMM P1 x 100GE OTU4 DWDM Tunable Optics	
IMM P20 x 1GE SFP	
IMM P3 x 40GE QSFP	
IMM P6 x 10GE SFP	
ISA2 Tunnel	
ISA Application Assurance	
ISA Broadband Applications	
ISA IP Reassembly	
ISA Tunnel	
ISA Mobile	
ISA Multi-Service	
ISA Multi-Service Export	
ISA TMS	
ISA Video	

(9 of 12)

Name	Value
Integrated Services Card	
HSMDA 10 x 1 Gig SFP	
1 x 10-Gig Ethernet + 10 x 10/100/1000 Ethernet SFP	
10 x 10/100/1000 Ethernet SFP	
10 x 1-Gig Extended Performance SFP	
10 x 1-Gig Ethernet SFP	
2 x 10-Gig Ethernet + 12 x 1-Gig Ethernet XP	
12 x 1-Gig Extended Performance SFP	
12 x Channelized DS3/E3 ASAP	
12 x DS3/E3 Deep Channel	
16 x ATM OC3 SFP	
16 x ATM OC3 SFP B	
16 x OC12/OC3 SFP	
16 x OC12/OC3 SFP B	
16 x OC3 SFP	
1 x 10-Gig Ethernet DWDM Tunable Optics	
HSMDA 1 x 10-Gig XFP, B	
1 x 10-Gig Ethernet XFP	
1 x 10-Gig Extended Performance XFP	
1 x Channelized OC12 ASAP	
1 x Channelized OC12 CES	
1 x OC12 Deep Channel	
1 x Channelized OC3 CES	
Gig Ethernet SFP	
1 x OC192	
1 x 10-Gig Ethernet	
20 x 100 Ethernet Fx	
20 x 10/100/1000 Ethernet SFP	
20 x 10/100/1000 Ethernet Tx	
20 x 10/100/1000 Ethernet Extended Performance SFP	
20 x 10/100/1000 Ethernet Extended Performance TX	
24 x Fast Ethernet 10/100 FX	
24 x Fast Ethernet 10/100 TX	
24 x Gig Ethernet (20 FX, 4 Dual TX/FX)	
24 x Gig Ethernet (20 TX, 4 Dual TX/FX)	
2 x 10-Gig Ethernet XFP	
2 x 10-Gig Extended Performance XFP	

(10 of 12)

Name	Value
2 x 10Gig Ethernet Extended Performance XFP WaveTracker	
2 x Channelized OC12 ASAP	
2 x OC192 Extended Performance XFP	
2 x OC48 SFP	
m48-10/40G-eth-tx	
48 x Gig Ethernet Extended Performance TX	
48 x Fast Ethernet 10/100 TX	
4 x 10/100 Ethernet TX	
4 x 10-Gig Extended Performance XFP	
4 x 10/100/1000 Ethernet Tx	
4 x ATM OC12/OC3 SFP	
4 x ATM OC12/OC3 SFP B	
4 x DS3/E3 Deep Channel	
4 x Channelized OC3 ASAP	
4 x Channelized OC3 CES	
4 x OC3 Deep Channel	
4 x Gig Ethernet (2 TX, 2 FX)	
4 x OC48 SFP	
4 x OC48 SFP B	
5 x 10/100/1000 Ethernet SFP	
5 x 1-Gig Ethernet SFP	
60 x 10/100 Ethernet	
8 x OC12/OC3 SFP	
8 x OC3 SFP	
Power Injector Card	
1 Colour Optical Add/Drop Mux	
2 Colour Optical Add/Drop Mux	
4 Colour Optical Add/Drop Mux	
8 Colour Optical Add/Drop Mux	
XMDA 1p x 10GigE / 10p x 1GigE SFP	
XMDA 1p x 10GigE / 10p x 1GigE SFP v2	
GPON Module	
p1 x GPS Rx	
2 x 10-Gig Bridged Ethernet XFP + 1 x 2.5G Virtual Ethernet Module	
DCM Module	
DSL Module	
i2 x Serial Data	

(11 of 12)

Name	Value
No Daughter Card	
Unsupported Daughter Card	
40 PORT 10GE SFP+ XMA	
4 PORT 100GE CXP XMA	
DCM:Dispersion Comp. Card	
EC:Equipment Controller Card	
Fan Unit	
ITLB:Interleaver Card	
ITLU:Interleaver Card, Unidirectional	
PF:Power Filter Card	
User Interface Panel	
Amplifier and Associated Cards	
Optical Client/Line Cards	
Filter Card	
Optical Transponder Card	
PTP Card	
Wavelength Router Card	
22-Port (8 TX, 12 FX, 2 GE)	
24-Port (8 TX, 12 FX, 4 GE)	
2 x Gig Ethernet 1000 FX	
8 x Fast Ethernet 10/100 TX	
12 x Fast Ethernet 100 FX	
No Processor/Base Card	
No Change	
Unsupported Processor/Base Card	

(12 of 12)

Table 24-36 Unknown Status

Name	Value
Displayed name	Unknown Status
OSS name	unknownStatus
Type	equipment.UnknownStatus
Default	True
Read-only	yes
Tab|Panel	General|General
Enumerated types	

(1 of 2)

Name	Value
False	
True	

(2 of 2)

25 — Card Specifics

Table 25-1 Card Specifics parameters

Parameters	
ACO LED	Clock Mode Status
Active Line Timing Reference	Company ID
Active Timing Reference	Cross Card Service Enabled
Activity State	Date
Actual Tilt	Dispersion Fiber Length
Add Path Output Power	Distance
Add Path Target Power	Extra Data
Amp Rating	Factory ID
Audible Alarm Cutoff	Fan Speed
Average Demux Loss	Fiber Mode
Average Insertion Loss	Fiber Type
Average Insertion Loss Pad	Flow Continuity Monitoring
Average Mux Loss	Gain
Baseline Span Loss	Gain at Commissioning Complete
Calculated Required Gain	Gain Tilt
Capacity	High Temperature Threshold
Card Description	Impedance
Card Height	Input Current 1
Card Mode	Input Current 2
Card Name	Input Current 3
Card Rate Mode	Input Power 1
Card Temperature	Input Power 2
Card Width	Input Power 3
Clear Optical Intrusion Detected Alarm	Input to Output Gain
CLEI	Input Voltage 1

(1 of 2)

25 — *Card Specifics*

Parameters	
Input Voltage 2	Pump2 Bias Current
Input Voltage 3	Pump2 Temperature
Insertion Loss Slope	Pump3 Bias Current
Insertion Loss Slope Pad	Pump3 Temperature
Laser Temperature	Quality Level Threshold
Level in Optical Node	Raman Pump1 Bias Current
Loopback Message Interval	Raman Pump1 Temperature
Loopback Reply Timeout	Raman Pump2 Bias Current
Loss Threshold	Raman Pump2 Temperature
Low Temperature Threshold	Serial Number
Maximum Add Channel Count	Signal Output Power
Maximum Gain	Size
Maximum Power	Software Load
Minimum Gain	Software Part Number
Mnemonic	Span Loss
Monitoring Enabled	State Qualifier
Node Critical LED Color	Status LED
Node Major LED Color	SVLAN Tag Protocol ID1
Node Minor LED Color	SVLAN Tag Protocol ID2
Node Warning LED Color	SVLAN Tag Protocol ID3
Operational Capability	SVLAN Tag Protocol ID4
Optical Interconnect Line Count	Switch Request
Output Selection	Switch Request
Output VOA Setting	Switch To Timing Reference
Per-Channel Output Power	Switch To Timing Reference
PMD	Switch Type
Polling Period	SyncE Support
Power Adjust Result	Sync Status Messaging
Power Adjust Result	Sync Status Messaging
Power Adjust Status	System Quality Level
Power Adjust Status	Tag Protocol ID
Protection LED	Target Tilt
Protection LED Color	Temperature Tolerance
Protection Mode	Total Dispersion Fit
Provisioned Distance	Total Input Power
Provisioned Fiber Type	Total Output Power
PTP LED Color	Unit Part Number
Pump1 Bias Current	Wait To Restore
Pump1 Temperature	

(2 of 2)

Table 25-2 ACO LED

Name	Value
Displayed name	ACO LED
OSS name	acoLED
Type	STRING

(1 of 2)

Name	Value
Tab|Panel	General|States
Description	This property is just for display - built using acoLEDType/Color .

(2 of 2)

Table 25-3 Active Line Timing Reference

Name	Value
Displayed name	Active Line Timing Reference
OSS name	syncEStationClockActiveRef
Type	optical.SyncEStationClockActiveLineTiming
Default	None
Tab|Panel	General|SyncOut Settings
Enumerated types	
LineRef 0	
LineRef 1	
LineRef 2	
LineRef 3	
None	

Table 25-4 Active Timing Reference

Name	Value
Displayed name	Active Timing Reference
OSS name	activeTimingReference
Type	optical.ActiveTimingReference
Default	Sync0/None
Tab|Panel	General|Sync0 Settings
Description	The ID of the association line reference.
Enumerated types	
Line Ref 0	
Line Ref 1	
Line Ref 2	
Line Ref 3	
Sync0/None	

Table 25-5 Activity State

Name	Value
Displayed name	Activity State
OSS name	ecActivityState
Type	optical.EcActivityState
Maximum	252
Tab|Panel	General|States
Description	This attribute indicates whether control card is active or not.
Enumerated types	
Active	
Inactive	
Unequipped	
Unknown	

Table 25-6 Actual Tilt

Name	Value
Displayed name	Actual Tilt
OSS name	meshCardActualTilt
Type	FLOAT
Units	dB
Tab|Panel	General|MESH4 Details
Description	Applies to the output port of the amplifier module in the mesh card.

Table 25-7 Add Path Output Power

Name	Value
Displayed name	Add Path Output Power
OSS name	wssCardAddPathEgressPower
Type	FLOAT
Minimum	-35
Maximum	11
Default	-99.0
Units	dBm
Tab|Panel	General|CWR/WR

(1 of 2)

Name	Value
Description	For CWR Card.The desired output power for add services ,as they come out the WDM port. Current configurable range: -3500 to 1100.

(2 of 2)

Table 25-8 Add Path Target Power

Name	Value
Displayed name	Add Path Target Power
OSS name	wssCardAddPathTargetPower
Type	FLOAT
Minimum	-10
Maximum	10
Default	-99.0
Units	dBm
Tab|Panel	General|CWR/WR
Description	For CWR Card.The desired power at the output of the amplet inside the WSS. Current configurable range: -1000 to 1000.

Table 25-9 Amp Rating

Name	Value
Displayed name	Amp Rating
OSS name	pfAmpRating
Type	FLOAT
Units	Amps
Tab|Panel	General|Card Details
Description	For PF only. Applicable to the 1830 PSS-32.

Table 25-10 Audible Alarm Cutoff

Name	Value
Displayed name	Audible Alarm Cutoff
OSS name	audibleAlarmCutoff
Type	optical.PerformCommand
Tab|Panel	General|Card Details
Description	The color of the alarm cut off LED. Applicable for UserInterfacelPanel card only.
Enumerated types	

(1 of 2)

Name	Value
Execute	
Execute with Force	
No Cmd	

(2 of 2)

Table 25-11 Average Demux Loss

Name	Value
Displayed name	Average Demux Loss
OSS name	sfdCardAvgDemuxInsertionLoss
Type	STRING
Minimum	0
Maximum	255
Units	dB
Tab|Panel	General|OMD Port Attributes
Description	Sfd Card AverageDeMux Insertion Loss.

Table 25-12 Average Insertion Loss

Name	Value
Displayed name	Average Insertion Loss
OSS name	dcmCardAvgInsertionLoss
Type	STRING
Units	dB
Tab|Panel	General|DCM
Description	The measured insertion loss averaged over wavelength with no external attenuation added to the DCM.

Table 25-13 Average Insertion Loss Pad

Name	Value
Displayed name	Average Insertion Loss Pad
OSS name	dcmCardAvgInsertionLossPad
Type	STRING
Units	dB
Tab|Panel	General|DCM

(1 of 2)

Name	Value
Description	The measured insertion loss averaged over wavelength with external attenuation added to the DCM.

(2 of 2)

Table 25-14 Average Mux Loss

Name	Value
Displayed name	Average Mux Loss
OSS name	sfdCardAvgMuxInsertionLoss
Type	STRING
Minimum	0
Maximum	255
Units	dB
Tab|Panel	General|OMD Port Attributes
Description	Sfd Card AverageMux Insertion Loss.

Table 25-15 Baseline Span Loss

Name	Value
Displayed name	Baseline Span Loss
OSS name	ampCardOptIntBaseLine
Type	FLOAT
Minimum	-1
Maximum	50
Default	-1
Units	dB
Tab|Panel	General|Optical Intrusion Detection
Description	The optical intrusion baseline value, with -1 means no value has been set. Current configurable range:-1, 1 to 50.

Table 25-16 Calculated Required Gain

Name	Value
Displayed name	Calculated Required Gain
OSS name	calculatedReqdGain
Type	FLOAT
Default	-99.0

(1 of 2)

Name	Value
Units	dB
Tab|Panel	General|Ingress In-Service Power Adjustment
Description	Power Management Ingress Adjust Power Gain TargetGain.

(2 of 2)

Table 25-17 Capacity

Name	Value
Displayed name	Capacity
OSS name	cardCapacity
Type	optical.CardCapacity
Default	unknown
Tab|Panel	General|Card Details
Description	The capacity of the storage medium in the slot.Applicable only to EC.
Enumerated types	
16G	
32G	
4G	
64G	
8G	
unknown	

Table 25-18 Card Description

Name	Value
Displayed name	Card Description
OSS name	cardDesc
Type	STRING
Maximum	255
Tab|Panel	General|Card Details
Description	Card Description. Deployed On the NE.

Table 25-19 Card Height

Name	Value
Displayed name	Card Height

(1 of 2)

Name	Value
OSS name	cardHeight
Type	optical.CardHeightType
Tab|Panel	General|Card Details
Description	Height of the provisioned card.
Enumerated types	
Full	
Half	
Unknown	

(2 of 2)

Table 25-20 Card Mode

Name	Value
Displayed name	Card Mode
OSS name	cardFunctionMode
Type	optical.CardFunctionMode
Default	unspecified
Tab|Panel	General|Card Details
Description	The card function mode for all cards.
Enumerated types	
DualTran	
FlexMux	
100Gbe	
Master	
OTU3	
OTU4	
Slave	
SONET/SDH	

Table 25-21 Card Name

Name	Value
Displayed name	Card Name
OSS name	cardName
Type	STRING
Maximum	31

(1 of 2)

Name	Value
Tab|Panel	General|Card Details
Description	Card Name. Deployed on the NE.

(2 of 2)

Table 25-22 Card Rate Mode

Name	Value
Displayed name	Card Rate Mode
OSS name	cardRateMode
Type	optical.CardRateMode
Tab|Panel	General|Card Details
Description	The card rate mode for all cards.
Enumerated types	
FullRate	
QinQ	
SubRate	

Table 25-23 Card Temperature

Name	Value
Displayed name	Card Temperature
OSS name	cardTemperature
Type	INT
Units	Celsius
Tab|Panel	General|Temperature
Description	The current temperature of the card.

Table 25-24 Card Width

Name	Value
Displayed name	Card Width
OSS name	cardWidth
Type	optical.CardWidthType
Tab|Panel	General|Card Details
Description	Width of the provisioned Card.
Enumerated types	

(1 of 2)

Name	Value
Double	
Single	
Triple	
Unknown	

(2 of 2)

Table 25-25 Clear Optical Intrusion Detected Alarm

Name	Value
Displayed name	Clear Optical Intrusion Detected Alarm
OSS name	ampCardOptIntClearAlarm
Type	BOOL
Tab|Panel	General|Optical Intrusion Detection
Description	Clears optical intrusion alarm.

Table 25-26 CLEI

Name	Value
Displayed name	CLEI
OSS name	cardClei
Type	STRING
Tab|Panel	General|Inventory
Description	Card CLEI.

Table 25-27 Clock Mode Status

Name	Value
Displayed name	Clock Mode Status
OSS name	eClkModStatus
Type	optical.EClockMode
Tab|Panel	General|Sync0 Settings
Description	The Sync-E clock mode state.
Enumerated types	
Auto Free-Running	
Auto Holdover	
Forced Free-Running	

(1 of 2)

Name	Value
Locked	
Unknown	

(2 of 2)

Table 25-28 Company ID

Name	Value
Displayed name	Company ID
OSS name	cardCompanyId
Type	STRING
Tab|Panel	General|Inventory
Description	Card Company ID.

Table 25-29 Cross Card Service Enabled

Name	Value
Displayed name	Cross Card Service Enabled
OSS name	crossCardService
Type	optical.AluWdmEnabledDisabled
Default	Enabled
Tab|Panel	General|Card Details
Description	Indicates whether the cross card service is enabled or not.
Enumerated types	
Disabled	
Enabled	

Table 25-30 Date

Name	Value
Displayed name	Date
OSS name	cardDate
Type	STRING
Tab|Panel	General|Inventory
Description	Card Date.

Table 25-31 Dispersion Fiber Length

Name	Value
Displayed name	Dispersion Fiber Length
OSS name	dcmCardDispFiberLength
Type	STRING
Units	km
Tab|Panel	General|DCM
Description	The total length of dispersion fiber inside the DCM module,to the closest km.

Table 25-32 Distance

Name	Value
Displayed name	Distance
OSS name	dcmCardDistance
Type	INT
Minimum	0
Maximum	140
Units	km
Step	10
Tab|Panel	General|DCM
Description	The present compensation distance associated with this DCM card. Not applicable to the 1830 PSS-32.

Table 25-33 Extra Data

Name	Value
Displayed name	Extra Data
OSS name	cardExtraData
Type	STRING
Tab|Panel	General|Inventory
Description	Card Extra Info.

Table 25-34 Factory ID

Name	Value
Displayed name	Factory ID

(1 of 2)

Name	Value
OSS name	cardFactoryId
Type	STRING
Tab|Panel	General|Inventory
Description	Card Factory ID.

(2 of 2)

Table 25-35 Fan Speed

Name	Value
Displayed name	Fan Speed
OSS name	fanSpeed
Type	optical.FanSpeed
Tab|Panel	General|Card Details
Description	Fan Speed Control.
Enumerated types	
Maximum	
Normal	

Table 25-36 Fiber Mode

Name	Value
Displayed name	Fiber Mode
OSS name	sfcCardFiberMode
Type	optical.SfcCardFiberMode
Tab|Panel	General|Card Details
Description	Fiber mode for SFC Cards.
Enumerated types	
OneFiberMux	
TwoFiber	

Table 25-37 Fiber Type

Name	Value
Displayed name	Fiber Type
OSS name	dcmCardFiberType
Type	STRING

(1 of 2)

Name	Value
Tab|Panel	General|DCM
Description	The type of fiber that the DCM is designed to dispersion-compensate.

(2 of 2)

Table 25-38 Flow Continuity Monitoring

Name	Value
Displayed name	Flow Continuity Monitoring
OSS name	flowCm
Type	optical.FlowControlMode
Tab|Panel	General|Card Details
Description	The flow control mode for 11DPE12A/E.
Enumerated types	
APS/PCC	
CCM	
CSF	

Table 25-39 Gain

Name	Value
Displayed name	Gain
OSS name	meshCardPowerGain
Type	FLOAT
Minimum	7
Maximum	24
Default	7
Units	dB
Tab|Panel	General|MESH4 Details
Description	Applies to the output port of amplifier module in the mesh card.

Table 25-40 Gain at Commissioning Complete

Name	Value
Displayed name	Gain at Commissioning Complete
OSS name	commissionedGain
Type	FLOAT

(1 of 2)

Name	Value
Default	-99.0
Units	dB
Tab|Panel	General|Ingress In-Service Power Adjustment
Description	Gain value set while commissioning flag is false.

(2 of 2)

Table 25-41 Gain Tilt

Name	Value
Displayed name	Gain Tilt
OSS name	meshCardGainTilt
Type	FLOAT
Units	dB
Tab|Panel	General|MESH4 Details
Description	Current OA tilt setting for the output port of the amplifier module in the mesh card.

Table 25-42 High Temperature Threshold

Name	Value
Displayed name	High Temperature Threshold
OSS name	cardHighTemperatureThresh
Type	INT
Minimum	-5
Maximum	90
Units	Celsius
Tab|Panel	General|Temperature
Description	The high temperature threshold of the card. Current configurable range: 1830 PSS-32: -5 to 90 1830 PSS-1: -5 to 90

Table 25-43 Impedance

Name	Value
Displayed name	Impedance
OSS name	cardImpedence
Type	optical.ImpedenceType
Default	75

(1 of 2)

Name	Value
Tab|Panel	General|Card Details
Description	The card impedence level.
Enumerated types	
120	
75	

(2 of 2)

Table 25-44 Input Current 1

Name	Value
Displayed name	Input Current 1
OSS name	inputCurrent
Type	FLOAT
Units	Amps
Tab|Panel	General|Card Details|Input Power Data

Table 25-45 Input Current 2

Name	Value
Displayed name	Input Current 2
OSS name	inputCurrent2
Type	FLOAT
Units	Amps
Tab|Panel	General|Card Details|Input Power Data

Table 25-46 Input Current 3

Name	Value
Displayed name	Input Current 3
OSS name	inputCurrent3
Type	FLOAT
Units	Amps
Tab|Panel	General|Card Details|Input Power Data

Table 25-47 Input Power 1

Name	Value
Displayed name	Input Power 1
OSS name	inputPower
Type	FLOAT
Units	Watts
Tab|Panel	General|Card Details|Input Power Data

Table 25-48 Input Power 2

Name	Value
Displayed name	Input Power 2
OSS name	inputPower2
Type	FLOAT
Units	Watts
Tab|Panel	General|Card Details|Input Power Data

Table 25-49 Input Power 3

Name	Value
Displayed name	Input Power 3
OSS name	inputPower3
Type	FLOAT
Units	Watts
Tab|Panel	General|Card Details|Input Power Data

Table 25-50 Input to Output Gain

Name	Value
Displayed name	Input to Output Gain
OSS name	meshCardInputToOutputGain
Type	FLOAT
Default	7.0
Units	dB
Tab|Panel	General|MESH4 Details

(1 of 2)

Name	Value
Description	Applies to the output port of the amplifier module in the mesh card.

(2 of 2)

Table 25-51 Input Voltage 1

Name	Value
Displayed name	Input Voltage 1
OSS name	inputVoltage
Type	FLOAT
Units	Volts
Tab|Panel	General|Card Details|Input Power Data

Table 25-52 Input Voltage 2

Name	Value
Displayed name	Input Voltage 2
OSS name	inputVoltage2
Type	FLOAT
Units	Volts
Tab|Panel	General|Card Details|Input Power Data

Table 25-53 Input Voltage 3

Name	Value
Displayed name	Input Voltage 3
OSS name	inputVoltage3
Type	FLOAT
Units	Volts
Tab|Panel	General|Card Details|Input Power Data

Table 25-54 Insertion Loss Slope

Name	Value
Displayed name	Insertion Loss Slope
OSS name	dcmCardInsertionLossSlope

(1 of 2)

Name	Value
Type	STRING
Units	dB
Tab|Panel	General|DCM
Description	A linear least-squares fitted slope of the measured attenuation (positive or negative) over the wavelength range with no external attenuation added to the DCM. The slope is defined over the full wavelength range with a negative slope signifying a higher insertion loss at the lower wavelength.

(2 of 2)

Table 25-55 Insertion Loss Slope Pad

Name	Value
Displayed name	Insertion Loss Slope Pad
OSS name	dcmCardInsertionLossSlopePad
Type	STRING
Units	dB
Tab|Panel	General|DCM
Description	A linear least-squares fitted slope of the measured attenuation (positive or negative) over the wavelength range with external attenuation added to the DCM. The slope is defined over the full wavelength range with a negative slope signifying a higher insertion loss at the lower wavelength.

Table 25-56 Laser Temperature

Name	Value
Displayed name	Laser Temperature
OSS name	meshCardInternalTemp
Type	INT
Units	Celsius
Tab|Panel	General|MESH4 Details
Description	The temperature of the Laser. Applies to the output port of the amplifier module in the mesh card.

Table 25-57 Level in Optical Node

Name	Value
Displayed name	Level in Optical Node
OSS name	wssCardAdBlockLevelAdd
Type	optical.CardLevel

(1 of 2)

Name	Value
Default	0
Tab|Panel	General|CWR/WR
Description	For C/WR Card.Level in Optical Node. Current configurable range: 0 to 3.
Enumerated types	
0	
1	
2	
3	

(2 of 2)

Table 25-58 Loopback Message Interval

Name	Value
Displayed name	Loopback Message Interval
OSS name	IBMInterval
Type	INT
Minimum	10
Maximum	100
Default	10
Units	x100ms
Tab|Panel	General|Ethernet Loopback
Description	The interval between consequent Loopback messages.

Table 25-59 Loopback Reply Timeout

Name	Value
Displayed name	Loopback Reply Timeout
OSS name	IBMRTimeout
Type	INT
Minimum	1
Maximum	30
Default	30
Units	seconds
Tab|Panel	General|Ethernet Loopback
Description	Loopback Reply Timeout.

Table 25-60 Loss Threshold

Name	Value
Displayed name	Loss Threshold
OSS name	ampCardOptIntLossThreashold
Type	FLOAT
Minimum	1
Maximum	5
Default	1.50
Units	dB
Tab|Panel	General|Optical Intrusion Detection
Description	The optical intrusion loss threshold value.Current configurable range:1 to 5.

Table 25-61 Low Temperature Threshold

Name	Value
Displayed name	Low Temperature Threshold
OSS name	cardLowTemperatureThresh
Type	INT
Minimum	-45
Maximum	90
Units	Celsius
Tab|Panel	General|Temperature
Description	The low temperature threshold of the card. Current configurable range: 1830 PSS-32: -5 to 90 1830 PSS-1: -5 to 90

Table 25-62 Maximum Add Channel Count

Name	Value
Displayed name	Maximum Add Channel Count
OSS name	wssCardAddPathTotalChannel
Type	INT
Minimum	8
Maximum	88
Tab|Panel	General|CWR/WR
Description	For CWR Card.The maximum number of channels supported on the add path. Current configurable range: CWR8: 8 to 44. CWR8-88: WR2-88: 8 to 88.

Table 25-63 Maximum Gain

Name	Value
Displayed name	Maximum Gain
OSS name	meshCardPowerGainMax
Type	FLOAT
Minimum	7
Maximum	24
Default	24
Units	dB
Tab|Panel	General|MESH4 Details
Description	Applies to the output port of amplifier module in the mesh card.

Table 25-64 Maximum Power

Name	Value
Displayed name	Maximum Power
OSS name	cardMaxPower
Type	FLOAT
Units	Watts
Tab|Panel	General|Card Details
Description	P sub 0, P sub 50 and P sub 100 (percent utilization of transmission function) provided for ATIS TEER calculation. These measurements are to be made under the conditions provided in ATIS-0600015-2009: Temperature: 25 deg C +/- 3 deg C (77 deg F +/- 5 deg F) Humidity: Relative humidity between 30% and 75% Barometric Pressure: Between 1020 and 812 mbar. Current range: 0.00 to 1,000.00.

Table 25-65 Minimum Gain

Name	Value
Displayed name	Minimum Gain
OSS name	meshCardPowerGainMin
Type	FLOAT
Minimum	7
Maximum	24
Default	7
Units	dB
Tab|Panel	General|MESH4 Details
Description	Applies to the output port of amplifier module in the mesh card.

Table 25-66 Mnemonic

Name	Value
Displayed name	Mnemonic
OSS name	cardMnemonic
Type	STRING
Tab|Panel	General|Inventory
Description	Card Mnemonic.

Table 25-67 Monitoring Enabled

Name	Value
Displayed name	Monitoring Enabled
OSS name	ampCardOptIntDetection
Type	BOOL
Tab|Panel	General|Optical Intrusion Detection
Description	The status of the Optical Intrusion detection feature.

Table 25-68 Node Critical LED Color

Name	Value
Displayed name	Node Critical LED Color
OSS name	criticalStatusLED
Type	STRING
Tab|Panel	General|States
Description	This property is just for display - built using critical Status LED Color .

Table 25-69 Node Major LED Color

Name	Value
Displayed name	Node Major LED Color
OSS name	majorStatusLED
Type	STRING
Tab|Panel	General|States
Description	This property is just for display - built using major Status LED Color .

Table 25-70 Node Minor LED Color

Name	Value
Displayed name	Node Minor LED Color
OSS name	minorStatusLED
Type	STRING
Tab|Panel	General|States
Description	This property is just for display - built using minor Status LED Color .

Table 25-71 Node Warning LED Color

Name	Value
Displayed name	Node Warning LED Color
OSS name	warningStatusLED
Type	STRING
Tab|Panel	General|States
Description	This property is just for display - built using critical Status LED Color .

Table 25-72 Operational Capability

Name	Value
Displayed name	Operational Capability
OSS name	operationalCapability
Type	optical.OperationalCapability
Tab|Panel	General|States
Description	Shows Card Operational Capability.
Enumerated types	
Disabled	
Enabled	
Partially Enabled	

Table 25-73 Optical Interconnect Line Count

Name	Value
Displayed name	Optical Interconnect Line Count
OSS name	wssCardReservedDegree

(1 of 2)

Name	Value
Type	INT
Minimum	1
Maximum	10
Default	2
Tab|Panel	General|CWR/WR
Description	For CWR Card.The reserved degree. Current configurable range: 1 to 8.

(2 of 2)

Table 25-74 Output Selection

Name	Value
Displayed name	Output Selection
OSS name	syncEStationClockOutputSelection
Type	optical.SyncEStationClockOutSel
Tab|Panel	General|SyncOut Settings
Enumerated types	
Output Timing	
System Internal Timing	

Table 25-75 Output VOA Setting

Name	Value
Displayed name	Output VOA Setting
OSS name	meshCardVoaSet
Type	FLOAT
Minimum	0
Maximum	18
Default	0
Units	dB
Tab|Panel	General|MESH4 Details
Description	Applies to the output port of the amplifier module in the mesh card.

Table 25-76 Per-Channel Output Power

Name	Value
Displayed name	Per-Channel Output Power

(1 of 2)

Name	Value
OSS name	meshCardCommonEgressPower
Type	FLOAT
Minimum	-10
Maximum	10
Default	1
Units	dBm
Tab|Panel	General|MESH4 Details
Description	Common Ingress Power. This is the per channel default ingress power.

(2 of 2)

Table 25-77 PMD

Name	Value
Displayed name	PMD
OSS name	dcmCardPMD
Type	STRING
Units	ps
Tab|Panel	General|DCM
Description	The value for Polarization mode dispersion (unit: ps).

Table 25-78 Polling Period

Name	Value
Displayed name	Polling Period
OSS name	ampCardOptIntPollPeriod
Type	INT
Minimum	20
Maximum	120
Default	30
Units	seconds
Tab|Panel	General|Optical Intrusion Detection
Description	The optical intrusion poll period.Current configurable range:20 to 120.

Table 25-79 Power Adjust Result

Name	Value
Displayed name	Power Adjust Result
OSS name	egressAdjustPowerGainLastResult
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|Egress In-Service Power Adjustment
Description	The result of the last executed power adjustment with optimization operation.

Table 25-80 Power Adjust Result

Name	Value
Displayed name	Power Adjust Result
OSS name	ingressAdjustPowerGainLastResult
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|Ingress In-Service Power Adjustment
Description	The result of the last executed power gain adjustment operation.

Table 25-81 Power Adjust Status

Name	Value
Displayed name	Power Adjust Status
OSS name	egressAdjustPowerGainStatus
Type	optical.PowerAdjStatus
Tab|Panel	General|Egress In-Service Power Adjustment
Description	This attribute indicates the status of the executed power with optimization adjustment operation.
Enumerated types	
Completed	
In Progress	
Not In Progress	

Table 25-82 Power Adjust Status

Name	Value
Displayed name	Power Adjust Status
OSS name	ingressAdjustPowerGainStatus
Type	optical.PowerAdjStatus
Tab|Panel	General|Ingress In-Service Power Adjustment
Description	This attribute indicates the status of the executed power gain adjustment operation.
Enumerated types	
Completed	
In Progress	
Not In Progress	

Table 25-83 Protection LED

Name	Value
Displayed name	Protection LED
OSS name	activityLED
Type	STRING
Tab|Panel	General|States
Description	This property is just for display - built using activityLEDType/Color .

Table 25-84 Protection LED Color

Name	Value
Displayed name	Protection LED Color
OSS name	ptpProtectionLEDColor
Type	STRING
Tab|Panel	General|States

Table 25-85 Protection Mode

Name	Value
Displayed name	Protection Mode
OSS name	cardProtectionMode
Type	optical.CardProtectionMode

(1 of 2)

Name	Value
Default	unspecified
Tab|Panel	General|Card Details
Description	The card protection mode for cards like OPSA/OPSB.
Enumerated types	
OCHP	
OLP	
OMSP	
OTUP	

(2 of 2)

Table 25-86 Provisioned Distance

Name	Value
Displayed name	Provisioned Distance
OSS name	dcmCardProvDistance
Type	INT
Minimum	0
Maximum	240
Units	km
Step	10
Tab|Panel	General|DCM
Description	The programmed compensation distance associated with this DCM card. Current configurable range 1830: 10 to 240. Possible programmed values are 10, 20, 30,40, 50, 60, 70, 80, 90, 100, 110, 120, 130,140,160,180,200,220,240. A value of 0 indicates that the distance is not defined.

Table 25-87 Provisioned Fiber Type

Name	Value
Displayed name	Provisioned Fiber Type
OSS name	dcmCardProvFiberType
Type	optical.FiberType
Tab|Panel	General|DCM
Description	The type of fiber that the DCM is provisioned to dispersion-compensate.
Enumerated types	
ELEAF	
ELEAFB	
SSMF	

(1 of 2)

Name	Value
SSMFB	
TWRS	

(2 of 2)

Table 25-88 PTP LED Color

Name	Value
Displayed name	PTP LED Color
OSS name	ptpLEDColor
Type	STRING
Tab|Panel	General|States

Table 25-89 Pump1 Bias Current

Name	Value
Displayed name	Pump1 Bias Current
OSS name	ampCardPump1Bias
Type	INT
Units	mA
Tab|Panel	General|Laser
Description	The Amplifier card parameter that specifies the existing bias current of the OA laser pump 1.

Table 25-90 Pump1 Temperature

Name	Value
Displayed name	Pump1 Temperature
OSS name	ampCardPump1Temp
Type	INT
Units	Celsius
Tab|Panel	General|Laser
Description	The Amplifier card parameter that specifies the existing temperature of the OA laser Pump 1.

Table 25-91 Pump2 Bias Current

Name	Value
Displayed name	Pump2 Bias Current
OSS name	ampCardPump2Bias
Type	INT
Units	mA
Tab|Panel	General|Laser
Description	The Amplifier card parameter that specifies the existing bias current of the OA laser pump 2.

Table 25-92 Pump2 Temperature

Name	Value
Displayed name	Pump2 Temperature
OSS name	ampCardPump2Temp
Type	INT
Units	Celsius
Tab|Panel	General|Laser
Description	The Amplifier card parameter that specifies the existing temperature of the OA laser Pump 2.

Table 25-93 Pump3 Bias Current

Name	Value
Displayed name	Pump3 Bias Current
OSS name	ampCardPump3Bias
Type	INT
Units	mA
Tab|Panel	General|Laser
Description	The Amplifier card parameter that specifies the existing bias current of the OA laser pump 3.

Table 25-94 Pump3 Temperature

Name	Value
Displayed name	Pump3 Temperature
OSS name	ampCardPump3Temp

(1 of 2)

Name	Value
Type	INT
Units	Celsius
Tab|Panel	General|Laser
Description	The Amplifier card parameter that specifies the existing temperature of the OA laser Pump 3.

(2 of 2)

Table 25-95 Quality Level Threshold

Name	Value
Displayed name	Quality Level Threshold
OSS name	syncEStationClockQLThreshold
Type	optical.SyncEStationQualityLevelThreshold
Tab|Panel	General|SyncOut Settings
Enumerated types	
DNU	
DUS	
PRC	
PRS	
SEC	
SSU_A	
SSU_B	
ST2	
ST3	
ST3E	
STU	

Table 25-96 Raman Pump1 Bias Current

Name	Value
Displayed name	Raman Pump1 Bias Current
OSS name	hybridCardPump1Bias
Type	INT
Units	mA
Tab|Panel	General|Laser|Raman Attributes
Description	The current bias of the OA Laser Pump 1.

Table 25-97 Raman Pump1 Temperature

Name	Value
Displayed name	Raman Pump1 Temperature
OSS name	hybridCardPump1Temp
Type	INT
Units	mA
Tab|Panel	General|Laser|Raman Attributes
Description	The current temperature of the OA Laser Pump 1.

Table 25-98 Raman Pump2 Bias Current

Name	Value
Displayed name	Raman Pump2 Bias Current
OSS name	hybridCardPump2Bias
Type	INT
Units	mA
Tab|Panel	General|Laser|Raman Attributes
Description	The current bias of the OA Laser Pump 2.

Table 25-99 Raman Pump2 Temperature

Name	Value
Displayed name	Raman Pump2 Temperature
OSS name	hybridCardPump2Temp
Type	INT
Units	mA
Tab|Panel	General|Laser|Raman Attributes
Description	The current temperature of the OA Laser Pump 2.

Table 25-100 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	cardSerialNum
Type	STRING

(1 of 2)

Name	Value
Tab|Panel	General|Inventory
Description	Card Serial Number.

(2 of 2)

Table 25-101 Signal Output Power

Name	Value
Displayed name	Signal Output Power
OSS name	meshCardSignalPowerOut
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	General|MESH4 Details
Description	The total input power plus the programmed gain. Applies to the output port of the amplifier module in the mesh card.

Table 25-102 Size

Name	Value
Displayed name	Size
OSS name	dcmCardSize
Type	STRING
Units	km
Tab|Panel	General|DCM
Description	The length of TRANSMISSION fiber that the DCM is designed to compensate (unit:km).

Table 25-103 Software Load

Name	Value
Displayed name	Software Load
OSS name	cardSoftwareLoad
Type	STRING
Tab|Panel	General|Card Details
Description	Card Software Generic Load Name.

Table 25-104 Software Part Number

Name	Value
Displayed name	Software Part Number
OSS name	cardSoftwarePartNum
Type	STRING
Tab|Panel	General|Inventory
Description	tnCardSWPartNum.

Table 25-105 Span Loss

Name	Value
Displayed name	Span Loss
OSS name	ampCardOptIntSpanLoss
Type	FLOAT
Minimum	0
Maximum	99
Default	99
Units	dB
Tab|Panel	General|Optical Intrusion Detection
Description	For Amplifier cards. The span loss value.Current range:0 to 99.

Table 25-106 State Qualifier

Name	Value
Displayed name	State Qualifier
OSS name	stateQualifier
Type	optical.StateQualifier
Tab|Panel	General|States
Description	Card State Qualifier.
Enumerated types	
AINS	
FAF	
FLT	
LOCKED	
MEA	
MT	

(1 of 2)

Name	Value
PORT RX FAULT	
PORT TX FAULT	
SDEE	
SGEO	
UAS	
UEQ	

(2 of 2)

Table 25-107 Status LED

Name	Value
Displayed name	Status LED
OSS name	statusLED
Type	STRING
Tab|Panel	General|States
Description	This property is just for display - built using LED status Color .

Table 25-108 SVLAN Tag Protocol ID1

Name	Value
Displayed name	SVLAN Tag Protocol ID1
OSS name	sVLANTagProtocolID1
Type	STRING
Units	Hex: 0001-FFFF
Tab|Panel	General|Card Details
Description	SVLANTagProtocolID1 for 11DPE12A/E.

Table 25-109 SVLAN Tag Protocol ID2

Name	Value
Displayed name	SVLAN Tag Protocol ID2
OSS name	sVLANTagProtocolID2
Type	STRING
Units	Hex: 0001-FFFF
Tab|Panel	General|Card Details
Description	SVLANTagProtocolID2 for 11DPE12A/E.

Table 25-110 SVLAN Tag Protocol ID3

Name	Value
Displayed name	SVLAN Tag Protocol ID3
OSS name	sVLANTagProtocolID3
Type	STRING
Units	Hex: 0001-FFFF
Tab|Panel	General|Card Details
Description	SVLANTagProtocolID3 for 11DPE12A/E.

Table 25-111 SVLAN Tag Protocol ID4

Name	Value
Displayed name	SVLAN Tag Protocol ID4
OSS name	sVLANTagProtocolID4
Type	STRING
Units	Hex: 0001-FFFF
Tab|Panel	General|Card Details
Description	SVLANTagProtocolID3 for 11DPE12A/E.

Table 25-112 Switch Request

Name	Value
Displayed name	Switch Request
OSS name	switchRequest
Type	optical.SwitchRequestTypes
Tab|Panel	General|Sync0 Settings
Description	[switchRequest] 0 means sync0, 1 means lineref1, 2 means lineref2, 3 means lineref3, 4 means lineref4.
Enumerated types	
Automatic	
Clear	
Clear Lockout	
Forced Switch	
Lockout	
Manual Switch	
No Request	

Table 25-113 Switch Request

Name	Value
Displayed name	Switch Request
OSS name	syncEStationSwitchRequest
Type	optical.SwitchRequestTypes
Tab|Panel	General|SyncOut Settings
Enumerated types	
Automatic	
Clear	
Clear Lockout	
Forced Switch	
Lockout	
Manual Switch	
No Request	

Table 25-114 Switch To Timing Reference

Name	Value
Displayed name	Switch To Timing Reference
OSS name	switchToTimingReference
Type	optical.SwitchLineReference
Tab|Panel	General|Sync0 Settings
Description	1 means nocmd, 2 means clear, 3 means lockout, 4 means forceswitch, 5 means manual. 6 means auto 7 means clearlockout.
Enumerated types	
Sync0/Internal	
Line Ref 0	
Line Ref 1	
Line Ref 2	
Line Ref 3	

Table 25-115 Switch To Timing Reference

Name	Value
Displayed name	Switch To Timing Reference
OSS name	syncEStationSwitchToTimingReference

(1 of 2)

Name	Value
Type	optical.SwitchLineReference
Tab|Panel	General|SyncOut Settings
Enumerated types	
Sync0/Internal	
Line Ref 0	
Line Ref 1	
Line Ref 2	
Line Ref 3	

(2 of 2)

Table 25-116 Switch Type

Name	Value
Displayed name	Switch Type
OSS name	switchType
Type	optical.SyncESwitchTypes
Default	Non-revertive
Tab|Panel	General|Sync0 Settings
Description	The system timing WTR for Elan Cards, known as Switch Type. Possible values are Revertive (0) or Non-Revertive(999999).
Enumerated types	
Non-revertive	
Revertive	

Table 25-117 SyncE Support

Name	Value
Displayed name	SyncE Support
OSS name	syncESupport
Type	optical.EnableDisable
Default	Disable
Tab|Panel	General|Card Details
Description	The Synchronous Ethernet is supported/not supported for the pack
Enumerated types	
Disable	
Enable	

Table 25-118 Sync Status Messaging

Name	Value
Displayed name	Sync Status Messaging
OSS name	syncStatusMessaging
Type	optical.EnableDisable
Tab|Panel	General|Sync0 Settings
Description	If it supports Sync-E messages.
Enumerated types	
Disable	
Enable	

Table 25-119 Sync Status Messaging

Name	Value
Displayed name	Sync Status Messaging
OSS name	syncEStationClockSyncMsg
Type	optical.EnableDisable
Default	Disable
Tab|Panel	General|SyncOut Settings
Enumerated types	
Disable	
Enable	

Table 25-120 System Quality Level

Name	Value
Displayed name	System Quality Level
OSS name	syncESystemQL
Type	optical.SystemQualityLevel
Default	unspecified
Tab|Panel	General|Sync0 Settings
Description	The value of the system quality level (SSM).
Enumerated types	
Auto	
DNU	
DUS	

(1 of 2)

Name	Value
EEC Option 1	
Not Applicable	
PNO	
PRC	
PRS	
Quality Unknown	
SMC	
SSU_A	
SSU_B	
ST2	
ST3	
ST3E	
ST4	
STU	
TNC	
unspecified	
Unstable	

(2 of 2)

Table 25-121 Tag Protocol ID

Name	Value
Displayed name	Tag Protocol ID
OSS name	dpge12QINQModeTPID
Type	STRING
Units	Hex: 0001-FFFF
Tab│Panel	General│Card Details
Description	The Q in Q Mode TPID for 11DPGE12. Current configurable range: 0x00 to 0xFFFF.

Table 25-122 Target Tilt

Name	Value
Displayed name	Target Tilt
OSS name	meshCardTargetTilt
Type	FLOAT
Minimum	-4

(1 of 2)

Name	Value
Maximum	4
Default	0
Units	dB
Tab|Panel	General|MESH4 Details
Description	Current OA tilt setting for the output port of the amplifier module in the mesh card.

(2 of 2)

Table 25-123 Temperature Tolerance

Name	Value
Displayed name	Temperature Tolerance
OSS name	cardTemperatureTolerance
Type	INT
Minimum	0
Maximum	10
Units	Celsius
Tab|Panel	General|Temperature
Description	The temperature tolerance of the card,applied to the card's high and low temperature thresholds. Current configurable range: 0 to 10.

Table 25-124 Total Dispersion Fit

Name	Value
Displayed name	Total Dispersion Fit
OSS name	dcmCardTotalDispTilt
Type	STRING
Tab|Panel	General|DCM
Description	Coefficients A, B, C and D of a 3rd Order polynomial fit of Chromatic dispersion vs. wavelength from 1528 to 1565nm in 0.4-2.0nm steps such that TotalDispersion = A*(I-1546)3 + B*(I-1546)2 +C *(I-1546) + D.

Table 25-125 Total Input Power

Name	Value
Displayed name	Total Input Power
OSS name	meshCardPowerIn

(1 of 2)

Name	Value
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	General|MESH4 Details
Description	The total input power. Applies to the input port of the amplifier module in the mesh card.

(2 of 2)

Table 25-126 Total Output Power

Name	Value
Displayed name	Total Output Power
OSS name	meshCardPowerOut
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	General|MESH4 Details
Description	The total output power. Applies to the output port of the amplifier module in the mesh card.

Table 25-127 Unit Part Number

Name	Value
Displayed name	Unit Part Number
OSS name	cardManufacturingPartNum
Type	STRING
Tab|Panel	General|Inventory
Description	Card Manufacturing Part Number.

Table 25-128 Wait To Restore

Name	Value
Displayed name	Wait To Restore
OSS name	waitToRestore
Type	LONG
Minimum	0
Maximum	12

(1 of 2)

Name	Value
Default	5
Units	minutes
Tab|Panel	General|Sync0 Settings
Description	The system timing WTR. Possible values are {0-12}.

(2 of 2)

26 — Card TCA Profile Assignment

Table 26-1 Card TCA Profile Assignment parameters

Parameters	
Clear Bins Interval Number of Bins	Profile Type TCA Profile

Table 26-2 Clear Bins

Name	Value
Displayed name	Clear Bins
OSS name	clearBins
Type	optical.PerformCommand
Default	1
Tab|Panel	General|General
Description	This attribute is used to clear all the bins in an interval on a particular card and group.
Enumerated types	
Execute	
Execute with Force	
No Cmd	

Table 26-3 Interval

Name	Value
Displayed name	Interval
OSS name	interval
Type	optical.IntervalType
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The collection interval.
Enumerated types	
15 min Interval	
24 hour Interval	

Table 26-4 Number of Bins

Name	Value
Displayed name	Number of Bins
OSS name	noOfBins
Type	INT
Minimum	1
Maximum	33
Default	1
Tab|Panel	General|General
Description	The number of collection bins in the interval.

Table 26-5 Profile Type

Name	Value
Displayed name	Profile Type
OSS name	groupId
Type	netca.TCAProfileType
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The group identifier.
Enumerated types	

(1 of 2)

Name	Value
Card	
CD	
DGD	
Digital Wrapper	
E1	
Ethernet	
FOFF	
Interface	
ODURX	
ODUTX	
OPIN	
OPOUT	
OPR	
OPT	
OPOCHIN	
OPOCHOUT	
OSNR	
OTU	
Physical Code Sublayer	
Port	
PreFEC Bits	
SAP	
SDH	
SONET	
Two Way DM	
Two Way SLM	

(2 of 2)

Table 26-6 TCA Profile

Name	Value
Displayed name	TCA Profile
OSS name	tcaProfilePointer
Type	POINTER
Tab|Panel	General|Select Profile
Description	TCA Profile.

27 — Card TCA Profiles

Table 27-1 Card TCA Profiles parameters

Parameters	
Card Slot ID	Origin
Configuration Mode	Origin Site Name
Description	Policy Scope
Discovery State	Shelf ID
Distribution Mode	Site ID
Interval for 1-day FLR	Site Name
Number of 15-min Bins	TCA Profile ID
Number of 1-day Bins	TCA Profile Type

Table 27-2 Card Slot ID

Name	Value
Displayed name	Card Slot ID
OSS name	slotId
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Card Slot

Table 27-3 Configuration Mode

Name	Value
Displayed name	Configuration Mode
OSS name	configurationMode
Type	netca.ConfigurationMode
Default	draft
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 27-4 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 27-5 Discovery State

Name	Value
Displayed name	Discovery State
OSS name	discoveryState
Type	netca.DiscoveryState
Default	notApplicable
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to "inProgress" if the global policy is created as the part of the specific NE resync during the full node resync or node discovery. At the end of full node resync, if the resync is successful, the global policy is completely updated from first discovered local policy and its discoveryState is set to "completed". Otherwise, the global policy isn't updated and its discoveryState is set to "failed". For "failed" global policy, it will be updated by next successful full node resync or synchronized from the specific local policy. Set to "initialized" if the global policy is created by snmp trap notification. User may need to synchronize the global policy manually with the specific local policy. Set to "N/A" if the global policy is created or modified by SAM user.

Table 27-6 Distribution Mode

Name	Value
Displayed name	Distribution Mode
OSS name	distributionMode
Type	netca.DistributionMode
Default	syncWithGlobal
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 27-7 Interval for 1-day FLR

Name	Value
Displayed name	Interval for 1-day FLR
OSS name	frameLossRatio1dayInterval
Type	netca.FLRIntervalType
Default	1 hour
Tab|Panel	General|General|Frame Loss Ratio
Enumerated types	
1 hour	
2 hours	
3 hours	
4 hours	
6 hours	
8 hours	

Table 27-8 Number of 15-min Bins

Name	Value
Displayed name	Number of 15-min Bins
OSS name	numOfBins15min
Type	INT
Minimum	1
Maximum	33
Default	33
Tab|Panel	General|General

Table 27-9 Number of 1-day Bins

Name	Value
Displayed name	Number of 1-day Bins
OSS name	numOfBins1day
Type	INT
Minimum	1
Maximum	8
Default	8
Tab|Panel	General|General

Table 27-10 Origin

Name	Value
Displayed name	Origin
OSS name	origin
Type	STRING
Maximum	50
Default	N/A
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to the siteId if the policy is created as the part of the specific NE resync or by snmp notification. Set to user name if the policy is created by SAM user.

Table 27-11 Origin Site Name

Name	Value
Displayed name	Origin Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 27-12 Policy Scope

Name	Value
Displayed name	Policy Scope
OSS name	isLocal
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 27-13 Shelf ID

Name	Value
Displayed name	Shelf ID
OSS name	shelfId
Type	INT
Default	1
Read-only	yes
Tab|Panel	General|Card Slot

Table 27-14 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 27-15 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName

(1 of 2)

Name	Value
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

(2 of 2)

Table 27-16 TCA Profile ID

Name	Value
Displayed name	TCA Profile ID
OSS name	tcaProfileId
Type	INT
Minimum	0
Maximum	8
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 27-17 TCA Profile Type

Name	Value
Displayed name	TCA Profile Type
OSS name	groupId
Type	netca.TCAProfileType
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
Card	
CD	
DGD	
Digital Wrapper	
E1	
Ethernet	
FOFF	
Interface	

(1 of 2)

Name	Value
ODURX	
ODUTX	
OPIN	
OPOUT	
OPR	
OPT	
OPOCHIN	
OPOCHOUT	
OSNR	
OTU	
Physical Code Sublayer	
Port	
PreFEC Bits	
SAP	
SDH	
SONET	
Two Way DM	
Two Way SLM	

(2 of 2)

28 — Card TCA Thresholds

Table 28-1 Card TCA Thresholds parameters

Parameters	
TCA Interval Type	TCA Subgroup
TCA Profile ID	TCA Variable Name
TCA Profile Type	Threshold Value

Table 28-2 TCA Interval Type

Name	Value
Displayed name	TCA Interval Type
OSS name	intervalType
Type	optical.IntervalType
Default	15 min Interval
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
15 min Interval	
24 hour Interval	

Table 28-3 TCA Profile ID

Name	Value
Displayed name	TCA Profile ID
OSS name	tcaProfileId
Type	INT
Minimum	0
Maximum	8
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 28-4 TCA Profile Type

Name	Value
Displayed name	TCA Profile Type
OSS name	groupId
Type	netca.TCAProfileType
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
Card	
CD	
DGD	
Digital Wrapper	
E1	
Ethernet	
FOFF	
Interface	
ODURX	
ODUTX	
OPIN	
OPOUT	
OPR	
OPT	
OPOCHIN	
OPOCHOUT	

(1 of 2)

Name	Value
OSNR	
OTU	
Physical Code Sublayer	
Port	
PreFEC Bits	
SAP	
SDH	
SONET	
Two Way DM	
Two Way SLM	

(2 of 2)

Table 28-5 TCA Subgroup

Name	Value
Displayed name	TCA Subgroup
OSS name	subGroup
Type	INT
Minimum	1
Maximum	33
Default	1
Mandatory on creation	yes
Tab|Panel	General|General

Table 28-6 TCA Variable Name

Name	Value
Displayed name	TCA Variable Name
OSS name	tcaVariableName
Type	netca.StatsVariableName
Tab|Panel	General|General
Enumerated types	
Cpu Average Utilization	
Heap Usage	
Pool Usage	
Rx BER PostFEC	

(1 of 12)

Name	Value
Rx BER PreFEC	
Rx PM BIP8 Error Count	
Rx PM BIP8 Error 15 Min Rtr	
Rx PM BIP8 Error 15 Min Tr	
Rx PM BIP8 Error 1 Day Tr	
Rx PM ES	
Rx PM ES 15 Min Rtr	
Rx PM ES 15 Min Tr	
Rx PM ES 1 Day Tr	
Rx PM FE BIP8 Error Count	
Rx PM FEES	
Rx PM FES ES	
Rx PM FE UAS	
Rx PM SES	
Rx PMS ES 15 Min Rtr	
Rx PM SES 15 Min Tr	
Rx PM SES 1 Day Tr	
Rx PM UAS	
Rx PM UAS 15 Min Rtr	
Rx PM UAS 15 Min Tr	
Rx PM UAS 1 Day Tr	
Rx RS Corrected Count	
Rx RS Corrected 15 Min Rtr	
Rx RS Corrected 15 Min Tr	
Rx RS Corrected 1 Day Tr	
Rx RS Uncorrected Count	
Rx RS UnCorrected 15 Min Rtr	
Rx RS Uncorrected 15 Min Tr	
Rx RS Uncorrected 1 Day Tr	
Rx SM BIA ES Error Count	
Rx SM BIP8 Error Count	
Rx SM BIP8 Error 15 Min Rtr	
Rx SM BIP8 Error 15 Min Tr	
Rx SM BIP8 Error 1 Day Tr	
Rx SM ES	
Rx SM ES 15 Min Rtr	
Rx SM ES 15 Min Tr	

(2 of 12)

Name	Value
Rx SM ES 1 Day Tr	
Rx SM FE BIP8 Error Count	
Rx SM FEES	
Rx SM FES ES	
Rx SM FE UAS	
Rx SM IAES Error Count	
Rx SM SES	
Rx SMS ES 15 Min Rtr	
Rx SM SES 15 Min Tr	
Rx SM SES 1 Day Tr	
Rx SM UAS	
Rx SM UAS 15 Min Rtr	
Rx SM UAS 15 Min Tr	
Rx SM UAS 1 Day Tr	
Rx BER PostFEC 15 Min Rtr	
Rx BER PostFEC 15 Min Tr	
Rx BER PostFEC 1 Day Tr	
Rx BER PreFEC 15 Min Rtr	
Rx BER PreFEC 15 Min Tr	
Rx BER PreFEC 1 Day Tr	
Rx PM FE BIP8 Error 15 Min Rtr	
Rx PM FE BIP8 Error 15 Min Tr	
Rx PM FE BIP8 Error 1 Day Tr	
Rx PM FE ES 15 Min Rtr	
Rx PM FE ES 15 Min Tr	
Rx PM FE ES 1 Day Tr	
Rx PM FE SES 15 Min Rtr	
Rx PM FE SES 15 Min Tr	
Rx PM FE SES 1 Day Tr	
Rx PM FE UAS 15 Min Rtr	
Rx PM FE UAS 15 Min Tr	
Rx PM FE UAS 1 Day Tr	
Rx SM BIAES 15 Min Rtr	
Rx SM BIAES 15 Min Tr	
Rx SM BIAES 1 Day Tr	
Rx SM FE BIP8 Error 15 Min Rtr	
Rx SM FE BIP8 Error 15 Min Tr	

(3 of 12)

Name	Value
Rx SM FE BIP8 Error 1 Day Tr	
Rx SM FE ES 15 Min Rtr	
Rx SM FE ES 15 Min Tr	
Rx SM FE ES 1 Day Tr	
Rx SM FE SES 15 Min Rtr	
Rx SM FE SES 15 Min Tr	
Rx SM FE SES 1 Day Tr	
Rx SM FE UAS 15 Min Rtr	
Rx SM FE UAS 15 Min Tr	
Rx SM FE UAS 1 Day Tr	
Rx SM IAES 15 Min Rtr	
Rx SM IAES 15 Min Tr	
Rx SM IAES 1 Day Tr	
Rx Broadcast Packets	
Rx Collisions	
Rx CRC Alignment Errors	
Rx Drop Events	
Rx Fragments	
Rx Jabbers	
Rx Jumbo Packets	
Rx Multicast Packets	
Rx Octets	
Rx Oversized Packets	
Rx Packet Error Ratio	
Rx Packet Error Ratio 15 Min Rtr	
Rx Packet Error Ratio 15 Min Tr	
Rx Packet Error Ratio 1 Day Tr	
Rx Packets	
Rx Packets Sized 1024 To 1518 Bytes	
Rx Packets Sized 128 To 255 Bytes	
Rx Packets Sized 256 To 511 Bytes	
Rx Packets Sized 512 To 1023 Bytes	
Rx Packets Sized 64 Bytes	
Rx Packets Sized 65 To 127 Bytes	
Rx Undersized Packets	
Tx Broadcast Packets	
Tx Collisions	

(4 of 12)

Name	Value
Tx CRC Alignment Errors	
Tx Drop Events	
Tx Fragments	
Tx Jabbers	
Tx Jumbo Packets	
Tx Multicast Packets	
Tx Octets	
Tx Oversized Packets	
Tx Packet Error Ratio	
Tx Packet Error Ratio 15 Min Rtr	
Tx Packet Error Ratio 15 Min Tr	
Tx Packet Error Ratio 1 Day Tr	
Tx Packets	
Tx Packets Sized 1024 To 1518 Bytes	
Tx Packets Sized 128 To 255 Bytes	
Tx Packets Sized 256 To 511 Bytes	
Tx Packets Sized 512 To 1023 Bytes	
Tx Packets Sized 64 Bytes	
Tx Packets Sized 65 To 127 Bytes	
Tx Undersized Packets	
In Broadcast Packets	
In Discards	
In Errors	
In Multicast Packets	
In Octets	
In Packets Not Classified	
In Unicast Packets	
In Unknown Protocols	
Out Broadcast Packets	
Out Discards	
Out Errors	
Out Multicast Packets	
Out Octets	
Out Unicast Packets	
Average Power	
Max Power	
Max Power Rtr	

(5 of 12)

Name	Value
Max Power Tr	
Min Power	
Min Power Rtr	
Min Power Tr	
Rx CV	
CV 15 Min Rtr	
Rx CV 15 Min Tr	
Rx CV 1 Day Tr	
Rx ES	
Rx ES 15 Min Rtr	
Rx ES 15 Min Tr	
Rx ES 1 Day Tr	
Rx SEFS	
Rx SEFS 15 Min Rtr	
Rx SEFS 15 Min Tr	
Rx SEFS 1 Day Tr	
Rx SES	
Rx SES 15 Min Rtr	
Rx SES 15 Min Tr	
Rx SES 1 Day Tr	
Tx CV	
Tx CV 15 Min Rtr	
Tx CV 15 Min Tr	
Tx CV 1 Day Tr	
Tx ES	
Tx ES 15 Min Rtr	
Tx ES 15 Min Tr	
Tx ES 1 Day Tr	
Tx SEFS	
Tx SEFS 15 Min Rtr	
Tx SEFS 15 Min Tr	
Tx SEFS 1 Day Tr	
Tx SES	
Tx SES 15 Min Rtr	
Tx SES 15 Min Tr	
Tx SES 1 Day Tr	
Rx MSEB	

(6 of 12)

Name	Value
Rx MSEB 15 Min Rtr	
Rx MSEB 15 Min Tr	
Rx MSEB 1 Day Tr	
Rx MSES	
Rx MSES 15 Min Rtr	
Rx MSES 15 Min Tr	
Rx MSES 1 Day Tr	
Rx MS FE EB	
Rx MSFEEB 15 Min Rtr	
Rx MSFEEB 15 Min Tr	
Rx MSFEEB 1 Day Tr	
Rx MS FE ES	
Rx MSFEES 15 Min Rtr	
Rx MSFEES 15 Min Tr	
Rx MSFEES 1 Day Tr	
Rx MS FES ES	
Rx MSFESES 15 Min Rtr	
Rx MSFESES 15 Min Tr	
Rx MSFESES 1 Day Tr	
Rx MS FEU AS	
Rx MSFEUAS 15 Min Rtr	
Rx MSFEUAS 15 Min Tr	
Rx MSFEUAS 1 Day Tr	
Rx MSSES	
Rx MSSES 15 Min Rtr	
Rx MSSES 15 Min Tr	
Rx MSSES 1 Day Tr	
Rx MSUAS	
Rx MSUAS 15 Min Rtr	
Rx MSUAS 15 Min Tr	
Rx MSUAS 1 Day Tr	
Rx RSEB	
Rx RSEB 15 Min Rtr	
Rx RSEB 15 Min Tr	
Rx RSEB 1 Day Tr	
Rx RSES	
Rx RSES 15 Min Rtr	

(7 of 12)

Name	Value
Rx RSES 15 Min Tr	
Rx RSES 1 Day Tr	
Rx RSSES	
Rx RSSES 15 Min Rtr	
Rx RSSES 15 Min Tr	
Rx RSSES 1 Day Tr	
Rx RSUAS	
Rx RSUAS 15 Min Rtr	
Rx RSUAS 15 Min Tr	
Rx RSUAS 1 Day Tr	
Tx MSEB	
Tx MSEB 15 Min Rtr	
Tx MSEB 15 Min Tr	
Tx MSEB 1 Day Tr	
Tx MSES	
Tx MSES 15 Min Rtr	
Tx MSES 15 Min Tr	
Tx MSES 1 Day Tr	
Tx MSSES	
Tx MSSES 15 Min Rtr	
Tx MSSES 15 Min Tr	
Tx MSSES 1 Day Tr	
Tx MSUAS	
Tx MSUAS 15 Min Rtr	
Tx MSUAS 15 Min Tr	
Tx MSUAS 1 Day Tr	
Tx RSEB	
Tx RSEB 15 Min Rtr	
Tx RSEB 15 Min Tr	
Tx RSEB 1 Day Tr	
Tx RSES	
Tx RSES 15 Min Rtr	
Tx RSES 15 Min Tr	
Tx RSES 1 Day Tr	
Tx RSSES	
Tx RSSES 15 Min Rtr	
Tx RSSES 15 Min Tr	

(8 of 12)

Name	Value
Tx RSSES 1 Day Tr	
Tx RSUAS	
Tx RSUAS 15 Min Rtr	
Tx RSUAS 15 Min Tr	
Tx RSUAS 1 Day Tr	
Rx CVL	
Rx CVL 15 Min Rtr	
Rx CVL 15 Min Tr	
Rx CVL 1 Day Tr	
Rx CVS	
Rx CVS 15 Min Rtr	
Rx CVS 15 Min Tr	
Rx CVS 1 Day Tr	
Rx ESL	
Rx ESL 15 Min Rtr	
Rx ESL 15 Min Tr	
Rx ESL 1 Day Tr	
Rx ESS	
Rx ESS 15 Min Rtr	
Rx ESS 15 Min Tr	
Rx ESS 1 Day Tr	
Rx FCL	
Rx FCL 15 Min Rtr	
Rx FCL 15 Min Tr	
Rx FCL 1 Day Tr	
Rx FECVL	
Rx FECVL 15 Min Rtr	
Rx FECVL 15 Min Tr	
Rx FECVL 1 Day Tr	
Rx FEESL	
Rx FEESL 15 Min Rtr	
Rx FEESL 15 Min Tr	
Rx FEESL 1 Day Tr	
Rx FESESL	
Rx FESESL 15 Min Rtr	
Rx FESESL 15 Min Tr	
Rx FESESL 1 Day Tr	

(9 of 12)

Name	Value
Rx FEUASL	
Rx FEUASL 15 Min Rtr	
Rx FEUASL 15 Min Tr	
Rx FEUASL 1 Day Tr	
Rx SEFSS	
Rx SEFSS 15 Min Rtr	
Rx SEFSS 15 Min Tr	
Rx SEFSS 1 Day Tr	
Rx SESL	
Rx SESL 15 Min Rtr	
Rx SESL 15 Min Tr	
Rx SESL 1 Day Tr	
Rx SESS	
Rx SESS 15 Min Rtr	
Rx SESS 15 Min Tr	
Rx SESS 1 Day Tr	
Rx UASL	
Rx UASL 15 Min Rtr	
Rx UASL 15 Min Tr	
Rx UASL 1 Day Tr	
Rx UASS	
Rx UASS 15 Min Rtr	
Rx UASS 15 Min Tr	
Rx UASS 1 Day Tr	
Tx CVL	
Tx CVL 15 Min Rtr	
Tx CVL 15 Min Tr	
Tx CVL 1 Day Tr	
Tx CVS	
Tx CVS 15 Min Rtr	
Tx CVS 15 Min Tr	
Tx CVS 1 Day Tr	
Tx ESL	
Tx ESL 15 Min Rtr	
Tx ESL 15 Min Tr	
Tx ESL 1 Day Tr	
Tx ESS	

(10 of 12)

Name	Value
Tx ESS 15 Min Rtr	
Tx ESS 15 Min Tr	
Tx ESS 1 Day Tr	
Tx FCL	
Tx FCL 15 Min Rtr	
Tx FCL 15 Min Tr	
Tx FCL 1 Day Tr	
Tx SEFSS	
Tx SEFSS 15 Min Rtr	
Tx SEFSS 15 Min Tr	
Tx SEFSS 1 Day Tr	
Tx SESL	
Tx SESL 15 Min Rtr	
Tx SESL 15 Min Tr	
Tx SESL 1 Day Tr	
Tx SESS	
Tx SESS 15 Min Rtr	
Tx SESS 15 Min Tr	
Tx SESS 1 Day Tr	
Tx UASL	
Tx UASL 15 Min Rtr	
Tx UASL 15 Min Tr	
Tx UASL 1 Day Tr	
Tx UASS	
Tx UASS 15 Min Rtr	
Tx UASS 15 Min Tr	
Tx UASS 1 Day Tr	
Rx BBEP 15 Min Rtr	
Rx BBEP 15 Min Tr	
Rx BBEP 1 Day Tr	
Rx ESP 15 Min Rtr	
Rx ESP 15 Min Tr	
Rx ESP 1 Day Tr	
Rx SESP 15 Min Rtr	
Rx SESP 15 Min Tr	
Rx SESP 1 Day Tr	
Rx UASP 15 Min Rtr	

(11 of 12)

Name	Value
Rx UASP 15 Min Tr	
Rx UASP 1 Day Tr	
Tx BBEP 15 Min Rtr	
Tx BBEP 15 Min Tr	
Tx BBEP 1 Day Tr	
Tx ESP 15 Min Rtr	
Tx ESP 15 Min Tr	
Tx ESP 1 Day Tr	
Tx SESP 15 Min Rtr	
Tx SESP 15 Min Tr	
Tx SESP 1 Day Tr	
Tx UASP 15 Min Rtr	
Tx UASP 15 Min Tr	
Tx UASP 1 Day Tr	

(12 of 12)

Table 28-7 Threshold Value

Name	Value
Displayed name	Threshold Value
OSS name	tcaValue
Type	STRING
Minimum	0
Maximum	20
Default	0
Tab|Panel	General|General

29 — CFM Link Trace

Table 29-1 CFM Link Trace parameters

Parameters	
Accounting Files	Originating MEP
Administrative State	Originating Tested Entity
Aggregated With	Packet Interval
Continuous Execution	Packet Timeout
Description	Probe History
Forwarding Class	SAA Accounting Policy
Forwarding Profile	Target MAC Address
Global ID	Test Definition
Global MEG	Tested Entity
Global MEG	Test Policy
ID	Test Result Storage
Last Generated	Test Suite
Maximum Failures	Trap Generation
Name	TTL
NE Schedulable	TTL
Number of Test Packets	Weight

Table 29-2 Accounting Files

Name	Value
Displayed name	Accounting Files
OSS name	accountingFiles
Type	BOOL

(1 of 2)

Name	Value
Default	false
Tab|Panel	Results Configuration|Accounting
Description	Specifies whether this test uses SAA Accounting

(2 of 2)

Table 29-3 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	sas.TestAdminState
Default	Enabled
Tab|Panel	General|General
Description	The administrative state of the test. Disabled tests cannot be executed (even if it is a scheduled execution).
Enumerated types	
Disabled	
Enabled	
Unknown	

Table 29-4 Aggregated With

Name	Value
Displayed name	Aggregated With
OSS name	aggregatedWith
Type	sas.AggregationType
Default	None
Read-only	yes
Tab|Panel	test_suite|general
Description	Specifies if/how the test is aggregated with others tests.
Enumerated types	
None	
Test Suite	
Test Suite (Generated)	

Table 29-5 Continuous Execution

Name	Value
Displayed name	Continuous Execution
OSS name	continuousExec
Type	BOOL
Default	false
Tab|Panel	test_params|execution_info
Description	This value specifies whether or not the OAM NE Schedulable test is to be executed indefinitely.

Table 29-6 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General
Description	The description of the test. Not interpreted by SAM.

Table 29-7 Forwarding Class

Name	Value
Displayed name	Forwarding Class
OSS name	forwardingClass
Type	qos.FcEnum
Tab|Panel	test_params|exec_details

(1 of 2)

Name	Value
Description	specifies the forwarding class to be used when launching the probe(s). The forwarding class name must be present in the index column of TIMETRA-QOS-MIB::tFCNameTable. This object is optional. As shown in the following table a) this object is applicable to a subset of the test types, and b) the default forwarding class depends on the test type. tmnxOamPingCtlTestMode Applicable? Default ---------------------- ----------- ------- 'cpePing' yes 'be' 'ethCfmLoopback' yes 'nc' 'ethCfmTwoWayDelay' yes 'nc' ethCfmTwoWaySlm' yes 'nc' 'icmpPing' yes 'nc' 'lspPing' yes 'be' 'macPing' yes 'be' 'p2mpLspPing' yes 'be' 'sdpPing' yes 'be' 'vccvPing' yes 'be' 'vprnPing' yes 'be' otherwise no N/A For 'ethCfmLoopback','ethCfmTwoWayDelay', and 'ethCfmTwoWaySlm', the forwarding class depends on whether the request is configured to egress on a network port or an access port. In the network port case, the forwarding class is the forwarding class of the pseudowire. In the access port case, the forwarding class is that of the SAP's egress encapsulation policy. For 'lspPing' this is the forwarding class of the LSP tunnel. For 'macPing' or 'sdpPing' this is the forwarding class of the SDP encapsulation. For 'p2mpLspPing' this is the forwarding class of the P2MP LSP tree. For 'vccvPing' this is the forwarding class of the pseudowire. If forwarding classes are mapped by the applicable QoS policy, the probe(s) may be launched using a different forwarding class than the forwarding class specified by this object.

(2 of 2)

Table 29-8 Forwarding Profile

Name	Value
Displayed name	Forwarding Profile
OSS name	profile
Type	qos.Profile
Tab|Panel	test_params|exec_details
Description	The value of tmnxOamPingCtlProfile specifies the profile to be used with the forwarding class specified in tmnxOamPingCtlFcName. This object is optional. As shown in the following table a) this object is applicable to a subset of the test types, and b) the default profile value depends on the test type. tmnxOamPingCtlTestMode Applicable? Default ---------------------- ----------- ------- 'cpePing' yes 'out(2)' 'ethCfmLoopback' yes 'in(1)' 'ethCfmTwoWayDelay' yes 'in(1)' 'ethCfmTwoWaySlm' yes 'in(1)' 'icmpPing' no N/A 'lspPing' yes 'out(2)' 'macPing' yes 'out(2)' 'p2mpLspPing' yes 'out(2)' 'sdpPing' yes 'out(2)' 'vccvPing' yes 'out(2)' 'vprnPing' yes 'out(2)' otherwise no N/A

Table 29-9 Global ID

Name	Value
Displayed name	Global ID
OSS name	globalId
Type	STRING
Minimum	0
Maximum	252
Tab|Panel	General|General
Description	The display global name of the test.

Table 29-10 Global MEG

Name	Value
Displayed name	Global MEG
OSS name	globalMA
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|meg_conf
Description	The Global MEG to which this CFM test is associated with.

Table 29-11 Global MEG

Name	Value
Displayed name	Global MEG
OSS name	globalMA
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|mep_orig_info
Description	The Global MEG to which this CFM test is associated with.

Table 29-12 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	1
Maximum	99999999
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the STM test.

Table 29-13 Last Generated

Name	Value
Displayed name	Last Generated
OSS name	lastGeneratedTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	test_suite|general
Description	Date (time from January 1st, 1970) when this test was last generated. This attribute has value only when this test is bound to a Test Suite.

Table 29-14 Maximum Failures

Name	Value
Displayed name	Maximum Failures
OSS name	maxFailures
Type	INT
Minimum	0
Maximum	255
Default	5
Tab|Panel	Results Configuration|general
Description	The value of this property indicates the maximum number of consecutive timeouts allowed before terminating the Trace Route request. A value of either 255 (maximum hop count/possible TTL value) or a 0 indicates that the function of terminating Trace Route request when a specific number of successive timeouts are detected is disabled.

Table 29-15 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	General|General
Description	The display name of the test. Not interpreted by SAM.

Table 29-16 NE Schedulable

Name	Value
Displayed name	NE Schedulable
OSS name	neSchedulable
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	General|General
Description	Used to make this test NE schedulable. An NE schedulable test is immediately installed onto the node, and may use the node's CRON feature to schedule its executions.

Table 29-17 Number of Test Packets

Name	Value
Displayed name	Number of Test Packets
OSS name	packetsToSend
Type	INT
Minimum	1
Maximum	100
Default	1
Tab|Panel	test_params|exec_details
Description	The number of probes to send.

Table 29-18 Originating MEP

Name	Value
Displayed name	Originating MEP
OSS name	originatingMep
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|mep_orig_info
Description	The MEP element that is the origin of the CFM test.

Table 29-19 Originating Tested Entity

Name	Value
Displayed name	Originating Tested Entity
OSS name	testedEntityName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Displays the service name of the tested entity

Table 29-20 Packet Interval

Name	Value
Displayed name	Packet Interval
OSS name	packetInterval
Type	INT
Minimum	1
Maximum	10
Default	5
Units	seconds
Tab|Panel	test_params|exec_details
Description	Specifies the number of seconds to wait before sending the next probe.

Table 29-21 Packet Timeout

Name	Value
Displayed name	Packet Timeout
OSS name	packetTimeout
Type	INT
Minimum	1
Maximum	10
Default	5
Units	seconds
Tab|Panel	test_params|exec_details
Description	Specifies the time-out-value, in seconds, to wait for an OAM Echo message reply. Upon expiration of the timeout period, the agent assumes that the message response will not be received. An appropriate error value is written to Probe Result Status for the timed out probe entry. Any response received after the timeout period has expired is silently discarded.

Table 29-22 Probe History

Name	Value
Displayed name	Probe History
OSS name	probeHistory
Type	sas.ProbeHistoryType
Default	Auto
Tab|Panel	test_params|exec_details
Description	The value of probeHistory indicates whether or not per-probe history will be kept for this test.
Enumerated types	
Auto	
Drop	
Keep	

Table 29-23 SAA Accounting Policy

Name	Value
Displayed name	SAA Accounting Policy
OSS name	accountingPolicyObjectPointer
Type	POINTER
Read-only	yes
Tab|Panel	Results Configuration|Accounting

Table 29-24 Target MAC Address

Name	Value
Displayed name	Target MAC Address
OSS name	mepTargetMacAddr
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|meptarget_info
Description	Specifies the Target MAC address.

Table 29-25 Test Definition

Name	Value
Displayed name	Test Definition
OSS name	testDefinition
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestDefinition, if any, that this test was created from. Only applicable when aggregatedWith is "testSuite".

Table 29-26 Tested Entity

Name	Value
Displayed name	Tested Entity
OSS name	testSuiteTestedEntity
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestedEntity, if any, that is associated to this object. Only applicable when aggregatedWith is "testSuiteGenerated".

Table 29-27 Test Policy

Name	Value
Displayed name	Test Policy
OSS name	testPolicyUsage
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestPolicyUsage, if any, that this test was created from. Only applicable when aggregatedWith is "testSuite".

Table 29-28 Test Result Storage

Name	Value
Displayed name	Test Result Storage
OSS name	testResultStorage

(1 of 2)

Name	Value
Type	ethernetoam.TestResultStorageEnum
Default	logToDB
Tab|Panel	Results Configuration|Accounting
Description	This value specifies whether or not the OAM NE Schedulable test results are to be logged to a file, stored in the DB, or both

(2 of 2)

Table 29-29 Test Suite

Name	Value
Displayed name	Test Suite
OSS name	testSuite
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestSuite, if any, that owns this test. Only applicable when aggregatedWith is "testSuite".

Table 29-30 Trap Generation

Name	Value
Displayed name	Trap Generation
OSS name	trapGenerationPolicy
Type	sas.TraceTrapGenerationPolicy
Default	Test Completion
Tab|Panel	Results Configuration|general
Description	specifies the notification(s) to send for a test run. Each bit enables the transmission of one notification, as follows. 'probeFailure(0)': send one tmnxOamPingProbeFailedV3 notification if at least M successive probes failed during the test run. M is configured using tmnxOamPingCtlTrapProbeFailureFilter. 'testFailure(1)': send one tmnxOamPingTestFailedV3 notification if at least N probes failed during the test run. N is configured using tmnxOamPingCtlTrapTestFailureFilter. 'testCompletion(2)': send one tmnxOamPingTestCompletedV3 notification when the test run is complete.
Enumerated types	
Path Change	
Test Completion	
Test Failure	

Table 29-31 TTL

Name	Value
Displayed name	TTL
OSS name	maxTimeToLive
Type	INT
Minimum	1
Maximum	255
Default	64
Tab|Panel	test_params|test_packet
Description	Specifies the maximum time-to-live value.

Table 29-32 TTL

Name	Value
Displayed name	TTL
OSS name	mepTransmitLtmTtl
Type	INT
Minimum	0
Maximum	255
Default	64
Tab|Panel	General|mep_info
Description	Specifies the TTL value used linktrace test.

Table 29-33 Weight

Name	Value
Displayed name	Weight
OSS name	weight
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|General
Description	Specifies the relative load that execution of this test affects the server.

30 — CFM LM Test

Table 30-1 CFM LM Test parameters

Parameters	
Accounting Files	Originating Tested Entity
Administrative State	Packet Failure Threshold
Aggregated With	Packet Interval
Continuous Execution	Packet Interval Units
Description	Packet Timeout
Forwarding Class	Priority
Forwarding Profile	Probe History
Global ID	SAA Accounting Policy
Global MEG	Size
Global MEG	Target MAC Address
ID	Test Definition
Interval	Tested Entity
Last Generated	Test Failure Threshold
Name	Test Policy
NE Schedulable	Test Result Storage
Number of Test Packets	Test Suite
Number of Test Packets	Trap Generation
Originating MEP	Weight

Table 30-2 Accounting Files

Name	Value
Displayed name	Accounting Files

(1 of 2)

Name	Value
OSS name	accountingFiles
Type	BOOL
Default	false
Tab|Panel	Results Configuration|Accounting
Description	Specifies whether this test uses SAA Accounting

(2 of 2)

Table 30-3 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	sas.TestAdminState
Default	Enabled
Tab|Panel	General|General
Description	The administrative state of the test. Disabled tests cannot be executed (even if it is a scheduled execution).
Enumerated types	
Disabled	
Enabled	
Unknown	

Table 30-4 Aggregated With

Name	Value
Displayed name	Aggregated With
OSS name	aggregatedWith
Type	sas.AggregationType
Default	None
Read-only	yes
Tab|Panel	test_suite|general
Description	Specifies if/how the test is aggregated with others tests.
Enumerated types	
None	
Test Suite	
Test Suite (Generated)	

Release 12.0 R1 | March 2014 | 3HE 08857 AAAA TQZZA Edition 01

30 — CFM LM Test

Table 30-5 Continuous Execution

Name	Value
Displayed name	Continuous Execution
OSS name	continuousExec
Type	BOOL
Default	false
Tab|Panel	test_params|execution_info
Description	This value specifies whether or not the OAM NE Schedulable test is to be executed indefinitely.

Table 30-6 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General
Description	The description of the test. Not interpreted by SAM.

Table 30-7 Forwarding Class

Name	Value
Displayed name	Forwarding Class
OSS name	forwardingClass
Type	qos.FcEnum
Tab|Panel	test_params|exec_details

(1 of 2)

5620 SAM
Optical Parameter Reference

30-3

Name	Value
Description	specifies the forwarding class to be used when launching the probe(s). The forwarding class name must be present in the index column of TIMETRA-QOS-MIB::tFCNameTable. This object is optional. As shown in the following table a) this object is applicable to a subset of the test types, and b) the default forwarding class depends on the test type. tmnxOamPingCtlTestMode Applicable? Default ---------------------- ----------- ------- 'cpePing' yes 'be' 'ethCfmLoopback' yes 'nc' 'ethCfmTwoWayDelay' yes 'nc' ethCfmTwoWaySlm' yes 'nc' 'icmpPing' yes 'nc' 'lspPing' yes 'be' 'macPing' yes 'be' 'p2mpLspPing' yes 'be' 'sdpPing' yes 'be' 'vccvPing' yes 'be' 'vprnPing' yes 'be' otherwise no N/A For 'ethCfmLoopback','ethCfmTwoWayDelay', and 'ethCfmTwoWaySlm', the forwarding class depends on whether the request is configured to egress on a network port or an access port. In the network port case, the forwarding class is the forwarding class of the pseudowire. In the access port case, the forwarding class is that of the SAP's egress encapsulation policy. For 'lspPing' this is the forwarding class of the LSP tunnel. For 'macPing' or 'sdpPing' this is the forwarding class of the SDP encapsulation. For 'p2mpLspPing' this is the forwarding class of the P2MP LSP tree. For 'vccvPing' this is the forwarding class of the pseudowire. If forwarding classes are mapped by the applicable QoS policy, the probe(s) may be launched using a different forwarding class than the forwarding class specified by this object.

(2 of 2)

Table 30-8 Forwarding Profile

Name	Value
Displayed name	Forwarding Profile
OSS name	profile
Type	qos.Profile
Tab|Panel	test_params|exec_details
Description	The value of tmnxOamPingCtlProfile specifies the profile to be used with the forwarding class specified in tmnxOamPingCtlFcName. This object is optional. As shown in the following table a) this object is applicable to a subset of the test types, and b) the default profile value depends on the test type. tmnxOamPingCtlTestMode Applicable? Default ---------------------- ----------- ------- 'cpePing' yes 'out(2)' 'ethCfmLoopback' yes 'in(1)' 'ethCfmTwoWayDelay' yes 'in(1)' 'ethCfmTwoWaySlm' yes 'in(1)' 'icmpPing' no N/A 'lspPing' yes 'out(2)' 'macPing' yes 'out(2)' 'p2mpLspPing' yes 'out(2)' 'sdpPing' yes 'out(2)' 'vccvPing' yes 'out(2)' 'vprnPing' yes 'out(2)' otherwise no N/A

Table 30-9 Global ID

Name	Value
Displayed name	Global ID
OSS name	globalId
Type	STRING
Minimum	0
Maximum	252
Tab|Panel	General|General
Description	The display global name of the test.

Table 30-10 Global MEG

Name	Value
Displayed name	Global MEG
OSS name	globalMA
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|meg_conf
Description	The Global MEG to which this CFM test is associated with.

Table 30-11 Global MEG

Name	Value
Displayed name	Global MEG
OSS name	globalMA
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|mep_orig_info
Description	The Global MEG to which this CFM test is associated with.

Table 30-12 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	1
Maximum	99999999
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the STM test.

Table 30-13 Interval

Name	Value
Displayed name	Interval
OSS name	twInterval
Type	ethernetoam.LmIntervalReDef
Default	1 sec
Tab|Panel	General|mep_info
Description	Specifies the delay, in seconds, between Synthetic Loss Measurement (SLM) messages for the two-way SLM test
Enumerated types	
100 ms	
10 min	
10 sec	
1 min	
1 sec	

Table 30-14 Last Generated

Name	Value
Displayed name	Last Generated
OSS name	lastGeneratedTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	test_suite|general
Description	Date (time from January 1st, 1970) when this test was last generated. This attribute has value only when this test is bound to a Test Suite.

Table 30-15 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	The display name of the test. Not interpreted by SAM.

(2 of 2)

Table 30-16 NE Schedulable

Name	Value
Displayed name	NE Schedulable
OSS name	neSchedulable
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	General|General
Description	Used to make this test NE schedulable. An NE schedulable test is immediately installed onto the node, and may use the node's CRON feature to schedule its executions.

Table 30-17 Number of Test Packets

Name	Value
Displayed name	Number of Test Packets
OSS name	packetsToSend
Type	INT
Minimum	1
Maximum	100
Default	1
Tab|Panel	test_params|exec_details
Description	The number of probes to send.

Table 30-18 Number of Test Packets

Name	Value
Displayed name	Number of Test Packets
OSS name	twSendCount
Type	INT
Minimum	2
Maximum	101
Default	2

(1 of 2)

Name	Value
Tab|Panel	General|mep_info
Description	Specifies the number of Synthetic Loss Measurement (SLM) packets to send during the two-way SLM tes.

(2 of 2)

Table 30-19 Originating MEP

Name	Value
Displayed name	Originating MEP
OSS name	originatingMep
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|mep_orig_info
Description	The MEP element that is the origin of the CFM test.

Table 30-20 Originating Tested Entity

Name	Value
Displayed name	Originating Tested Entity
OSS name	testedEntityName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Displays the service name of the tested entity

Table 30-21 Packet Failure Threshold

Name	Value
Displayed name	Packet Failure Threshold
OSS name	packetFailureThreshold
Type	INT
Minimum	0
Maximum	15
Default	1
Tab|Panel	Results Configuration|general

Table 30-22 Packet Interval

Name	Value
Displayed name	Packet Interval
OSS name	packetInterval
Type	INT
Minimum	1
Maximum	10
Default	5
Units	seconds
Tab|Panel	test_params|exec_details
Description	Specifies the number of seconds to wait before sending the next probe.

Table 30-23 Packet Interval Units

Name	Value
Displayed name	Packet Interval Units
OSS name	packetIntervalUnits
Type	ethernetoam.PacketIntervalUnitsType
Default	Seconds
Tab|Panel	test_params|exec_details
Description	Specifies the interval units for this Test
Enumerated types	
Centiseconds	
Seconds	

Table 30-24 Packet Timeout

Name	Value
Displayed name	Packet Timeout
OSS name	packetTimeout
Type	INT
Minimum	1
Maximum	10
Default	5
Units	seconds
Tab|Panel	test_params|exec_details

(1 of 2)

Name	Value
Description	Specifies the time-out-value, in seconds, to wait for an OAM Echo message reply. Upon expiration of the timeout period, the agent assumes that the message response will not be received. An appropriate error value is written to Probe Result Status for the timed out probe entry. Any response received after the timeout period has expired is silently discarded.

(2 of 2)

Table 30-25 Priority

Name	Value
Displayed name	Priority
OSS name	twPriority
Type	INT
Minimum	0
Maximum	7
Default	7
Tab|Panel	General|mep_info
Description	Specifies the priority used in the generated test frame for the two-way Synthetic Loss Measurement (SLM) test.

Table 30-26 Probe History

Name	Value
Displayed name	Probe History
OSS name	probeHistory
Type	sas.ProbeHistoryType
Default	Auto
Tab|Panel	test_params|exec_details
Description	The value of probeHistory indicates whether or not per-probe history will be kept for this test.
Enumerated types	
Auto	
Drop	
Keep	

Table 30-27 SAA Accounting Policy

Name	Value
Displayed name	SAA Accounting Policy
OSS name	accountingPolicyObjectPointer
Type	POINTER
Read-only	yes
Tab|Panel	Results Configuration|Accounting

Table 30-28 Size

Name	Value
Displayed name	Size
OSS name	packetSize
Type	INT
Minimum	0
Maximum	1500
Default	0
Units	octets
Tab|Panel	test_params|exec_details
Description	Specifies the the number of octets in the Value field of the Data TLV of the Ethernet CFM Loopback packet. If zero is specified, the packet has no Data TLV.

Table 30-29 Target MAC Address

Name	Value
Displayed name	Target MAC Address
OSS name	mepTargetMacAddr
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|meptarget_info
Description	Specifies the Target MAC address.

Table 30-30 Test Definition

Name	Value
Displayed name	Test Definition

(1 of 2)

Name	Value
OSS name	testDefinition
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestDefinition, if any, that this test was created from. Only applicable when aggregatedWith is "testSuite".

(2 of 2)

Table 30-31 Tested Entity

Name	Value
Displayed name	Tested Entity
OSS name	testSuiteTestedEntity
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestedEntity, if any, that is associated to this object. Only applicable when aggregatedWith is "testSuiteGenerated".

Table 30-32 Test Failure Threshold

Name	Value
Displayed name	Test Failure Threshold
OSS name	testFailureThreshold
Type	INT
Minimum	0
Maximum	15
Default	1
Tab|Panel	Results Configuration|general

Table 30-33 Test Policy

Name	Value
Displayed name	Test Policy
OSS name	testPolicyUsage
Type	POINTER
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestPolicyUsage, if any, that this test was created from. Only applicable when aggregatedWith is "testSuite".

(2 of 2)

Table 30-34 Test Result Storage

Name	Value
Displayed name	Test Result Storage
OSS name	testResultStorage
Type	ethernetoam.TestResultStorageEnum
Default	logToDB
Tab|Panel	Results Configuration|Accounting
Description	This value specifies whether or not the OAM NE Schedulable test results are to be logged to a file, stored in the DB, or both

Table 30-35 Test Suite

Name	Value
Displayed name	Test Suite
OSS name	testSuite
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestSuite, if any, that owns this test. Only applicable when aggregatedWith is "testSuite".

Table 30-36 Trap Generation

Name	Value
Displayed name	Trap Generation
OSS name	trapGenerationPolicy
Type	sas.PingTrapGenerationPolicy
Default	Test Completion
Tab|Panel	Results Configuration|general
Description	Specifies when the node sends traps while executing the test.
Enumerated types	

(1 of 2)

Name	Value
Probe Failure	
Test Completion	
Test Failure	

(2 of 2)

Table 30-37 Weight

Name	Value
Displayed name	Weight
OSS name	weight
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|General
Description	Specifies the relative load that execution of this test affects the server.

31 — CFM Loopback

Table 31-1 CFM Loopback parameters

Parameters	
Accounting Files	Number of Test Packets
Administrative State	Originating MEP
Aggregated With	Originating Tested Entity
Continuous Execution	Packet Failure Threshold
Data Size	Packet Interval
Data TLV Size or Padding	Packet Timeout
Description	Probe History
Enable Target MEP ID	SAA Accounting Policy
Forwarding Class	Size
Forwarding Profile	Target MAC Address
Global ID	Target MEP ID
Global MEG	Test Definition
Global MEG	Tested Entity
ID	Test Failure Threshold
Last Generated	Test Interval
LBM Interval	Test Policy
LBM Padding Size	Test Result Storage
LBM Timeout	Test Suite
Multicast	Trap Generation
Name	VLAN Drop Enable
NE Schedulable	VLAN Priority
Number of Test Packets	Weight

Table 31-2 Accounting Files

Name	Value
Displayed name	Accounting Files
OSS name	accountingFiles
Type	BOOL
Default	false
Tab|Panel	Results Configuration|Accounting
Description	Specifies whether this test uses SAA Accounting

Table 31-3 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	sas.TestAdminState
Default	Enabled
Tab|Panel	General|General
Description	The administrative state of the test. Disabled tests cannot be executed (even if it is a scheduled execution).
Enumerated types	
Disabled	
Enabled	
Unknown	

Table 31-4 Aggregated With

Name	Value
Displayed name	Aggregated With
OSS name	aggregatedWith
Type	sas.AggregationType
Default	None
Read-only	yes
Tab|Panel	test_suite|general
Description	Specifies if/how the test is aggregated with others tests.
Enumerated types	
None	

(1 of 2)

Name	Value
Test Suite	
Test Suite (Generated)	

(2 of 2)

Table 31-5 Continuous Execution

Name	Value
Displayed name	Continuous Execution
OSS name	continuousExec
Type	BOOL
Default	false
Tab|Panel	test_params|execution_info
Description	This value specifies whether or not the OAM NE Schedulable test is to be executed indefinitely.

Table 31-6 Data Size

Name	Value
Displayed name	Data Size
OSS name	mepTransmitLbmDataTlv
Type	INT
Minimum	0
Maximum	1500
Default	0
Tab|Panel	General|mep_info
Description	Specifies the size of the Loopback message.

Table 31-7 Data TLV Size or Padding

Name	Value
Displayed name	Data TLV Size or Padding
OSS name	lbmPadOrSize
Type	ethernetoam.LbmPadOrSize
Default	Use Data Size
Tab|Panel	General|mep_info

(1 of 2)

Name	Value
Description	This non-deployed property exists in the model to distinguish whether to use the lbmPadding (tmnxDot1agCfmMepLbmPaddingSize) or mepTransmitLbmDataTlv (Dot1agCfmmepTransmitLbmDataTlv) property.
Enumerated types	
Use LBM Padding	
Use Data Size	

(2 of 2)

Table 31-8 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General
Description	The description of the test. Not interpreted by SAM.

Table 31-9 Enable Target MEP ID

Name	Value
Displayed name	Enable Target MEP ID
OSS name	mepIdEnabled
Type	BOOL
Default	false
Tab|Panel	General|meptarget_info

Table 31-10 Forwarding Class

Name	Value
Displayed name	Forwarding Class
OSS name	forwardingClass
Type	qos.FcEnum
Tab|Panel	test_params|exec_details

(1 of 2)

Name	Value
Description	specifies the forwarding class to be used when launching the probe(s). The forwarding class name must be present in the index column of TIMETRA-QOS-MIB::tFCNameTable. This object is optional. As shown in the following table a) this object is applicable to a subset of the test types, and b) the default forwarding class depends on the test type. tmnxOamPingCtlTestMode Applicable? Default ---------------------- ----------- ------- 'cpePing' yes 'be' 'ethCfmLoopback' yes 'nc' 'ethCfmTwoWayDelay' yes 'nc' ethCfmTwoWaySlm' yes 'nc' 'icmpPing' yes 'nc' 'lspPing' yes 'be' 'macPing' yes 'be' 'p2mpLspPing' yes 'be' 'sdpPing' yes 'be' 'vccvPing' yes 'be' 'vprnPing' yes 'be' otherwise no N/A For 'ethCfmLoopback','ethCfmTwoWayDelay', and 'ethCfmTwoWaySlm', the forwarding class depends on whether the request is configured to egress on a network port or an access port. In the network port case, the forwarding class is the forwarding class of the pseudowire. In the access port case, the forwarding class is that of the SAP's egress encapsulation policy. For 'lspPing' this is the forwarding class of the LSP tunnel. For 'macPing' or 'sdpPing' this is the forwarding class of the SDP encapsulation. For 'p2mpLspPing' this is the forwarding class of the P2MP LSP tree. For 'vccvPing' this is the forwarding class of the pseudowire. If forwarding classes are mapped by the applicable QoS policy, the probe(s) may be launched using a different forwarding class than the forwarding class specified by this object.

(2 of 2)

Table 31-11 Forwarding Profile

Name	Value
Displayed name	Forwarding Profile
OSS name	profile
Type	qos.Profile
Tab|Panel	test_params|exec_details
Description	The value of tmnxOamPingCtlProfile specifies the profile to be used with the forwarding class specified in tmnxOamPingCtlFcName. This object is optional. As shown in the following table a) this object is applicable to a subset of the test types, and b) the default profile value depends on the test type. tmnxOamPingCtlTestMode Applicable? Default ---------------------- ----------- ------- 'cpePing' yes 'out(2)' 'ethCfmLoopback' yes 'in(1)' 'ethCfmTwoWayDelay' yes 'in(1)' 'ethCfmTwoWaySlm' yes 'in(1)' 'icmpPing' no N/A 'lspPing' yes 'out(2)' 'macPing' yes 'out(2)' 'p2mpLspPing' yes 'out(2)' 'sdpPing' yes 'out(2)' 'vccvPing' yes 'out(2)' 'vprnPing' yes 'out(2)' otherwise no N/A

Table 31-12 Global ID

Name	Value
Displayed name	Global ID
OSS name	globalId
Type	STRING
Minimum	0
Maximum	252
Tab|Panel	General|General
Description	The display global name of the test.

Table 31-13 Global MEG

Name	Value
Displayed name	Global MEG
OSS name	globalMA
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|meg_conf
Description	The Global MEG to which this CFM test is associated with.

Table 31-14 Global MEG

Name	Value
Displayed name	Global MEG
OSS name	globalMA
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|mep_orig_info
Description	The Global MEG to which this CFM test is associated with.

Table 31-15 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	1
Maximum	99999999
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the STM test.

Table 31-16 Last Generated

Name	Value
Displayed name	Last Generated
OSS name	lastGeneratedTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	test_suite|general
Description	Date (time from January 1st, 1970) when this test was last generated. This attribute has value only when this test is bound to a Test Suite.

Table 31-17 LBM Interval

Name	Value
Displayed name	LBM Interval
OSS name	lbmInterval
Type	INT
Minimum	0
Maximum	600
Default	0
Units	deciseconds
Tab|Panel	General|mep_info
Description	The value of tmnxDot1agCfmMepTxLbmInterval specifies the duration, in deciseconds, between loopback PDU transmissions. A value of zero is only valid if there are 5 or fewer loopbacks in the test (as defined by dot1agCfmMepTransmitLbmMessages).

Table 31-18 LBM Padding Size

Name	Value
Displayed name	LBM Padding Size
OSS name	lbmPadding
Type	INT
Minimum	0
Maximum	9000
Default	0
Units	octets
Tab|Panel	General|mep_info

(1 of 2)

Name	Value
Description	The value of tmnxDot1agCfmMepLbmPaddingSize specifies the number of additional octets inserted into the LBM PDU for the Data TLV padding. If tmnxDot1agCfmMepLbmPaddingSize is set to zero (0), no Data TLV will be added to the LBM PDUs. Note that setting this value is mutually exclusive with setting dot1agCfmMepTransmitLbmDataTlv.

(2 of 2)

Table 31-19 LBM Timeout

Name	Value
Displayed name	LBM Timeout
OSS name	lbmTimeout
Type	INT
Minimum	1
Maximum	10
Default	5
Units	seconds
Tab|Panel	General|mep_info
Description	The value of tmnxDot1agCfmMepTxLbmTimeout specifies the duration, in seconds, a loopback PDU sent by the node is considered to be timed out.

Table 31-20 Multicast

Name	Value
Displayed name	Multicast
OSS name	multicast
Type	BOOL
Default	false
Tab|Panel	General|meptarget_info
Description	Set to true for CFM Loopback multicast tests.

Table 31-21 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0

(1 of 2)

Name	Value
Maximum	32
Tab|Panel	General|General
Description	The display name of the test. Not interpreted by SAM.

(2 of 2)

Table 31-22 NE Schedulable

Name	Value
Displayed name	NE Schedulable
OSS name	neSchedulable
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	General|General
Description	Used to make this test NE schedulable. An NE schedulable test is immediately installed onto the node, and may use the node's CRON feature to schedule its executions.

Table 31-23 Number of Test Packets

Name	Value
Displayed name	Number of Test Packets
OSS name	mepTransmitLbmMessages
Type	INT
Minimum	1
Maximum	5
Default	1
Tab|Panel	General|mep_info
Description	Specifies the number of loopback messages to be transmitted.

Table 31-24 Number of Test Packets

Name	Value
Displayed name	Number of Test Packets
OSS name	packetsToSend
Type	INT
Minimum	1

(1 of 2)

Name	Value
Maximum	100
Default	1
Tab|Panel	test_params|exec_details
Description	The number of probes to send.

(2 of 2)

Table 31-25 Originating MEP

Name	Value
Displayed name	Originating MEP
OSS name	originatingMep
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|mep_orig_info
Description	The MEP element that is the origin of the CFM test.

Table 31-26 Originating Tested Entity

Name	Value
Displayed name	Originating Tested Entity
OSS name	testedEntityName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Displays the service name of the tested entity

Table 31-27 Packet Failure Threshold

Name	Value
Displayed name	Packet Failure Threshold
OSS name	packetFailureThreshold
Type	INT
Minimum	0
Maximum	15
Default	1
Tab|Panel	Results Configuration|general

Table 31-28 Packet Interval

Name	Value
Displayed name	Packet Interval
OSS name	packetInterval
Type	INT
Minimum	1
Maximum	10
Default	5
Units	seconds
Tab|Panel	test_params|exec_details
Description	Specifies the number of seconds to wait before sending the next probe.

Table 31-29 Packet Timeout

Name	Value
Displayed name	Packet Timeout
OSS name	packetTimeout
Type	INT
Minimum	1
Maximum	10
Default	5
Units	seconds
Tab|Panel	test_params|exec_details
Description	Specifies the time-out-value, in seconds, to wait for an OAM Echo message reply. Upon expiration of the timeout period, the agent assumes that the message response will not be received. An appropriate error value is written to Probe Result Status for the timed out probe entry. Any response received after the timeout period has expired is silently discarded.

Table 31-30 Probe History

Name	Value
Displayed name	Probe History
OSS name	probeHistory
Type	sas.ProbeHistoryType
Default	Auto
Tab|Panel	test_params|exec_details

(1 of 2)

Name	Value
Description	The value of probeHistory indicates whether or not per-probe history will be kept for this test.
Enumerated types	
Auto	
Drop	
Keep	

(2 of 2)

Table 31-31 SAA Accounting Policy

Name	Value
Displayed name	SAA Accounting Policy
OSS name	accountingPolicyObjectPointer
Type	POINTER
Read-only	yes
Tab|Panel	Results Configuration|Accounting

Table 31-32 Size

Name	Value
Displayed name	Size
OSS name	packetSize
Type	INT
Minimum	0
Maximum	1500
Default	0
Units	octets
Tab|Panel	test_params|exec_details
Description	specifies the size of the OAM Echo message. This parameter is optional and is valid only if tmnxOamPingCtlTestMode has a value of 'sdpPing', 'macPing', 'lspPing', 'vprnPing', 'mfibPing', 'vccvPing', 'icmpPing', 'p2mpLspPing', 'ethCfmLoopback' or 'ethCfmTwoWaySlm'. The minimum, maximum, and default values for the tmnxOamPingCtlTestMode cases are: 'ethCfmLoopback' : 0, 1500, 0 'ethCfmTwoWaySlm': 0, 1500, 0

Table 31-33 Target MAC Address

Name	Value
Displayed name	Target MAC Address
OSS name	mepTargetMacAddr
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|meptarget_info
Description	Specifies the Target MAC address.

Table 31-34 Target MEP ID

Name	Value
Displayed name	Target MEP ID
OSS name	mepTargetMepId
Type	LONG
Minimum	1
Maximum	8191
Default	0
Tab|Panel	General|meptarget_info
Description	Specifies the Target MEP ID.

Table 31-35 Test Definition

Name	Value
Displayed name	Test Definition
OSS name	testDefinition
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestDefinition, if any, that this test was created from. Only applicable when aggregatedWith is "testSuite".

Table 31-36 Tested Entity

Name	Value
Displayed name	Tested Entity

(1 of 2)

Name	Value
OSS name	testSuiteTestedEntity
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestedEntity, if any, that is associated to this object. Only applicable when aggregatedWith is "testSuiteGenerated".

(2 of 2)

Table 31-37 Test Failure Threshold

Name	Value
Displayed name	Test Failure Threshold
OSS name	testFailureThreshold
Type	INT
Minimum	0
Maximum	15
Default	1
Tab|Panel	Results Configuration|general

Table 31-38 Test Interval

Name	Value
Displayed name	Test Interval
OSS name	testInterval
Type	INT
Minimum	10
Maximum	1500
Default	10
Units	minutes
Tab|Panel	test_params|exec_details
Description	Specifies the interval for this Test

Table 31-39 Test Policy

Name	Value
Displayed name	Test Policy

(1 of 2)

Name	Value
OSS name	testPolicyUsage
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestPolicyUsage, if any, that this test was created from. Only applicable when aggregatedWith is "testSuite".

(2 of 2)

Table 31-40 Test Result Storage

Name	Value
Displayed name	Test Result Storage
OSS name	testResultStorage
Type	ethernetoam.TestResultStorageEnum
Default	logToDB
Tab|Panel	Results Configuration|Accounting
Description	This value specifies whether or not the OAM NE Schedulable test results are to be logged to a file, stored in the DB, or both

Table 31-41 Test Suite

Name	Value
Displayed name	Test Suite
OSS name	testSuite
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestSuite, if any, that owns this test. Only applicable when aggregatedWith is "testSuite".

Table 31-42 Trap Generation

Name	Value
Displayed name	Trap Generation
OSS name	trapGenerationPolicy
Type	sas.PingTrapGenerationPolicy
Default	Test Completion

(1 of 2)

Name	Value
Tab|Panel	Results Configuration|general
Description	Specifies when the node sends traps while executing the test.
Enumerated types	
Probe Failure	
Test Completion	
Test Failure	

(2 of 2)

Table 31-43 VLAN Drop Enable

Name	Value
Displayed name	VLAN Drop Enable
OSS name	mepTransmitLbmVlanDropEnable
Type	BOOL
Default	true
Tab|Panel	General|mep_info
Description	Drop Enable bit value to be used in the VLAN tag, if present in the transmitted frame

Table 31-44 VLAN Priority

Name	Value
Displayed name	VLAN Priority
OSS name	mepTransmitLbmVlanPriority
Type	INT
Minimum	0
Maximum	7
Default	0
Tab|Panel	General|mep_info
Description	Specifies the priority of LB message.

Table 31-45 Weight

Name	Value
Displayed name	Weight
OSS name	weight

(1 of 2)

Name	Value
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|General
Description	Specifies the relative load that execution of this test affects the server.

(2 of 2)

32 — CFM One Way Delay Test

Table 32-1 CFM One Way Delay Test parameters

Parameters	
Administrative State	Originating MEP
Aggregated With	Originating Tested Entity
Description	Priority
Global ID	Probe History
Global MEG	Target MAC Address
Global MEG	Test Definition
ID	Tested Entity
Last Generated	Test Policy
Name	Test Suite
NE Schedulable	Weight

Table 32-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	sas.TestAdminState
Default	Enabled
Tab|Panel	General|General
Description	The administrative state of the test. Disabled tests cannot be executed (even if it is a scheduled execution).
Enumerated types	

(1 of 2)

Name	Value
Disabled	
Enabled	
Unknown	

(2 of 2)

Table 32-3 Aggregated With

Name	Value
Displayed name	Aggregated With
OSS name	aggregatedWith
Type	sas.AggregationType
Default	None
Read-only	yes
Tab|Panel	test_suite|general
Description	Specifies if/how the test is aggregated with others tests.
Enumerated types	
None	
Test Suite	
Test Suite (Generated)	

Table 32-4 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General
Description	The description of the test. Not interpreted by SAM.

Table 32-5 Global ID

Name	Value
Displayed name	Global ID
OSS name	globalId

(1 of 2)

Name	Value
Type	STRING
Minimum	0
Maximum	252
Tab|Panel	General|General
Description	The display global name of the test.

(2 of 2)

Table 32-6 Global MEG

Name	Value
Displayed name	Global MEG
OSS name	globalMA
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|meg_conf
Description	The Global MEG to which this CFM test is associated with.

Table 32-7 Global MEG

Name	Value
Displayed name	Global MEG
OSS name	globalMA
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|mep_orig_info
Description	The Global MEG to which this CFM test is associated with.

Table 32-8 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	1
Maximum	99999999
Default	0

(1 of 2)

Name	Value
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the STM test.

(2 of 2)

Table 32-9 Last Generated

Name	Value
Displayed name	Last Generated
OSS name	lastGeneratedTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	test_suite|general
Description	Date (time from January 1st, 1970) when this test was last generated. This attribute has value only when this test is bound to a Test Suite.

Table 32-10 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	General|General
Description	The display name of the test. Not interpreted by SAM.

Table 32-11 NE Schedulable

Name	Value
Displayed name	NE Schedulable
OSS name	neSchedulable
Type	BOOL
Default	false
Mandatory on creation	yes

(1 of 2)

Name	Value
Tab|Panel	General|General
Description	Used to make this test NE schedulable. An NE schedulable test is immediately installed onto the node, and may use the node's CRON feature to schedule its executions.

(2 of 2)

Table 32-12 Originating MEP

Name	Value
Displayed name	Originating MEP
OSS name	originatingMep
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|mep_orig_info
Description	The MEP element that is the origin of the CFM test.

Table 32-13 Originating Tested Entity

Name	Value
Displayed name	Originating Tested Entity
OSS name	testedEntityName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Displays the service name of the tested entity

Table 32-14 Priority

Name	Value
Displayed name	Priority
OSS name	mepOneWayDelayPriority
Type	INT
Minimum	0
Maximum	7
Default	0
Tab|Panel	General|mep_info
Description	Specifies the one way delay priority.

Table 32-15 Probe History

Name	Value
Displayed name	Probe History
OSS name	probeHistory
Type	sas.ProbeHistoryType
Default	Auto
Tab|Panel	test_params|exec_details
Description	The value of probeHistory indicates whether or not per-probe history will be kept for this test.
Enumerated types	
Auto	
Drop	
Keep	

Table 32-16 Target MAC Address

Name	Value
Displayed name	Target MAC Address
OSS name	mepTargetMacAddr
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|meptarget_info
Description	Specifies the Target MAC address.

Table 32-17 Test Definition

Name	Value
Displayed name	Test Definition
OSS name	testDefinition
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestDefinition, if any, that this test was created from. Only applicable when aggregatedWith is "testSuite".

Table 32-18 Tested Entity

Name	Value
Displayed name	Tested Entity
OSS name	testSuiteTestedEntity
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestedEntity, if any, that is associated to this object. Only applicable when aggregatedWith is "testSuiteGenerated".

Table 32-19 Test Policy

Name	Value
Displayed name	Test Policy
OSS name	testPolicyUsage
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestPolicyUsage, if any, that this test was created from. Only applicable when aggregatedWith is "testSuite".

Table 32-20 Test Suite

Name	Value
Displayed name	Test Suite
OSS name	testSuite
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestSuite, if any, that owns this test. Only applicable when aggregatedWith is "testSuite".

Table 32-21 Weight

Name	Value
Displayed name	Weight
OSS name	weight

(1 of 2)

32 — CFM One Way Delay Test

Name	Value
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|General
Description	Specifies the relative load that execution of this test affects the server.

(2 of 2)

33 — CFM Two Way Delay Test

Table 33-1 CFM Two Way Delay Test parameters

Parameters	
Accounting Files	Packet Failure Threshold
Administrative State	Packet Interval
Aggregated With	Packet Interval Units
Card TCA Profile	Packet Timeout
Continuous Execution	Probe History
Description	SAA Accounting Policy
Enable Target MEP ID	Target MAC Address
Forwarding Class	Target MEP ID
Forwarding Profile	Test Definition
Global ID	Tested Entity
Global MEG	Test Failure Threshold
Global MEG	Test Interval
ID	Test Policy
Last Generated	Test Result Storage
Name	Test Suite
NE Schedulable	Trap Generation
Number of Test Packets	VLAN Priority
Originating MEP	Weight
Originating Tested Entity	

Table 33-2 Accounting Files

Name	Value
Displayed name	Accounting Files
OSS name	accountingFiles
Type	BOOL
Default	false
Tab|Panel	Results Configuration|Accounting
Description	Specifies whether this test uses SAA Accounting

Table 33-3 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	sas.TestAdminState
Default	Enabled
Tab|Panel	General|General
Description	The administrative state of the test. Disabled tests cannot be executed (even if it is a scheduled execution).
Enumerated types	
Disabled	
Enabled	
Unknown	

Table 33-4 Aggregated With

Name	Value
Displayed name	Aggregated With
OSS name	aggregatedWith
Type	sas.AggregationType
Default	None
Read-only	yes
Tab|Panel	test_suite|general
Description	Specifies if/how the test is aggregated with others tests.
Enumerated types	
None	

(1 of 2)

Name	Value
Test Suite	
Test Suite (Generated)	

(2 of 2)

Table 33-5 Card TCA Profile

Name	Value
Displayed name	Card TCA Profile
OSS name	cardStatsTCAProfilePointer
Type	POINTER
Tab|Panel	Results Configuration|general

Table 33-6 Continuous Execution

Name	Value
Displayed name	Continuous Execution
OSS name	continuousExec
Type	BOOL
Default	false
Tab|Panel	test_params|execution_info
Description	This value specifies whether or not the OAM NE Schedulable test is to be executed indefinitely.

Table 33-7 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General
Description	The description of the test. Not interpreted by SAM.

Table 33-8 Enable Target MEP ID

Name	Value
Displayed name	Enable Target MEP ID
OSS name	mepIdEnabled
Type	BOOL
Default	false
Tab|Panel	General|meptarget_info

Table 33-9 Forwarding Class

Name	Value
Displayed name	Forwarding Class
OSS name	forwardingClass
Type	qos.FcEnum
Tab|Panel	test_params|exec_details
Description	specifies the forwarding class to be used when launching the probe(s). The forwarding class name must be present in the index column of TIMETRA-QOS-MIB::tFCNameTable. This object is optional. As shown in the following table a) this object is applicable to a subset of the test types, and b) the default forwarding class depends on the test type. tmnxOamPingCtlTestMode Applicable? Default ---------------------- ----------- ------- 'cpePing' yes 'be' 'ethCfmLoopback' yes 'nc' 'ethCfmTwoWayDelay' yes 'nc' ethCfmTwoWaySlm' yes 'nc' 'icmpPing' yes 'nc' 'lspPing' yes 'be' 'macPing' yes 'be' 'p2mpLspPing' yes 'be' 'sdpPing' yes 'be' 'vccvPing' yes 'be' 'vprnPing' yes 'be' otherwise no N/A For 'ethCfmLoopback','ethCfmTwoWayDelay', and 'ethCfmTwoWaySlm', the forwarding class depends on whether the request is configured to egress on a network port or an access port. In the network port case, the forwarding class is the forwarding class of the pseudowire. In the access port case, the forwarding class is that of the SAP's egress encapsulation policy. For 'lspPing' this is the forwarding class of the LSP tunnel. For 'macPing' or 'sdpPing' this is the forwarding class of the SDP encapsulation. For 'p2mpLspPing' this is the forwarding class of the P2MP LSP tree. For 'vccvPing' this is the forwarding class of the pseudowire. If forwarding classes are mapped by the applicable QoS policy, the probe(s) may be launched using a different forwarding class than the forwarding class specified by this object.

Table 33-10 Forwarding Profile

Name	Value
Displayed name	Forwarding Profile
OSS name	profile
Type	qos.Profile
Tab|Panel	test_params|exec_details

(1 of 2)

Name	Value
Description	The value of tmnxOamPingCtlProfile specifies the profile to be used with the forwarding class specified in tmnxOamPingCtlFcName. This object is optional. As shown in the following table a) this object is applicable to a subset of the test types, and b) the default profile value depends on the test type. tmnxOamPingCtlTestMode Applicable? Default ---------------------- ----------- ------- 'cpePing' yes 'out(2)' 'ethCfmLoopback' yes 'in(1)' 'ethCfmTwoWayDelay' yes 'in(1)' 'ethCfmTwoWaySlm' yes 'in(1)' 'icmpPing' no N/A 'lspPing' yes 'out(2)' 'macPing' yes 'out(2)' 'p2mpLspPing' yes 'out(2)' 'sdpPing' yes 'out(2)' 'vccvPing' yes 'out(2)' 'vprnPing' yes 'out(2)' otherwise no N/A

(2 of 2)

Table 33-11 Global ID

Name	Value
Displayed name	Global ID
OSS name	globalId
Type	STRING
Minimum	0
Maximum	252
Tab|Panel	General|General
Description	The display global name of the test.

Table 33-12 Global MEG

Name	Value
Displayed name	Global MEG
OSS name	globalMA
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|meg_conf
Description	The Global MEG to which this CFM test is associated with.

Table 33-13 Global MEG

Name	Value
Displayed name	Global MEG
OSS name	globalMA
Type	POINTER
Mandatory on creation	yes

(1 of 2)

Name	Value
Tab|Panel	General|mep_orig_info
Description	The Global MEG to which this CFM test is associated with.

(2 of 2)

Table 33-14 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	1
Maximum	99999999
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the STM test.

Table 33-15 Last Generated

Name	Value
Displayed name	Last Generated
OSS name	lastGeneratedTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	test_suite|general
Description	Date (time from January 1st, 1970) when this test was last generated. This attribute has value only when this test is bound to a Test Suite.

Table 33-16 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0

(1 of 2)

Name	Value
Maximum	32
Tab|Panel	General|General
Description	The display name of the test. Not interpreted by SAM.

(2 of 2)

Table 33-17 NE Schedulable

Name	Value
Displayed name	NE Schedulable
OSS name	neSchedulable
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	General|General
Description	Used to make this test NE schedulable. An NE schedulable test is immediately installed onto the node, and may use the node's CRON feature to schedule its executions.

Table 33-18 Number of Test Packets

Name	Value
Displayed name	Number of Test Packets
OSS name	packetsToSend
Type	INT
Minimum	1
Maximum	100
Default	1
Tab|Panel	test_params|exec_details
Description	The number of probes to send.

Table 33-19 Originating MEP

Name	Value
Displayed name	Originating MEP
OSS name	originatingMep
Type	POINTER
Mandatory on creation	yes

(1 of 2)

Name	Value
Tab|Panel	General|mep_orig_info
Description	The MEP element that is the origin of the CFM test.

(2 of 2)

Table 33-20 Originating Tested Entity

Name	Value
Displayed name	Originating Tested Entity
OSS name	testedEntityName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Displays the service name of the tested entity

Table 33-21 Packet Failure Threshold

Name	Value
Displayed name	Packet Failure Threshold
OSS name	packetFailureThreshold
Type	INT
Minimum	0
Maximum	15
Default	1
Tab|Panel	Results Configuration|general

Table 33-22 Packet Interval

Name	Value
Displayed name	Packet Interval
OSS name	packetInterval
Type	INT
Minimum	1
Maximum	10
Default	5
Units	seconds
Tab|Panel	test_params|exec_details

(1 of 2)

Name	Value
Description	Specifies the number of seconds to wait before sending the next probe.

(2 of 2)

Table 33-23 Packet Interval Units

Name	Value
Displayed name	Packet Interval Units
OSS name	packetIntervalUnits
Type	ethernetoam.PacketIntervalUnitsType
Default	Seconds
Tab|Panel	test_params|exec_details
Description	specifies the units for tmnxOamPingCtlInterval. For example, if tmnxOamPingCtlIntervalUnits has the value 'centiseconds(2)', and tmnxOamPingCtlInterval has the value 10, the test's interval is 0.1 seconds. The supported combinations of tmnxOamPingCtlIntervalUnits, tmnxOamPingCtlInterval, tmnxOamPingCtlTestMode, and tmnxOamIcmpPingCtlRapid are specified in the tmnxOamPingCtlInterval DESCRIPTION clause. The interaction between this object and tmnxOamIcmpPingCtlRapid is specified in the tmnxOamIcmpPingCtlRapid DESCRIPTION clause.
Enumerated types	
Centiseconds	
Seconds	

Table 33-24 Packet Timeout

Name	Value
Displayed name	Packet Timeout
OSS name	packetTimeout
Type	INT
Minimum	1
Maximum	10
Default	5
Units	seconds
Tab|Panel	test_params|exec_details
Description	Specifies the time-out-value, in seconds, to wait for an OAM Echo message reply. Upon expiration of the timeout period, the agent assumes that the message response will not be received. An appropriate error value is written to Probe Result Status for the timed out probe entry. Any response received after the timeout period has expired is silently discarded.

Table 33-25 Probe History

Name	Value
Displayed name	Probe History
OSS name	probeHistory
Type	sas.ProbeHistoryType
Default	Auto
Tab|Panel	test_params|exec_details
Description	The value of probeHistory indicates whether or not per-probe history will be kept for this test.
Enumerated types	
Auto	
Drop	
Keep	

Table 33-26 SAA Accounting Policy

Name	Value
Displayed name	SAA Accounting Policy
OSS name	accountingPolicyObjectPointer
Type	POINTER
Read-only	yes
Tab|Panel	Results Configuration|Accounting

Table 33-27 Target MAC Address

Name	Value
Displayed name	Target MAC Address
OSS name	mepTargetMacAddr
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|meptarget_info
Description	Specifies the Target MAC address.

Table 33-28 Target MEP ID

Name	Value
Displayed name	Target MEP ID
OSS name	mepTargetMepId
Type	LONG
Minimum	1
Maximum	8191
Default	0
Tab|Panel	General|meptarget_info
Description	Specifies the Target MEP ID.

Table 33-29 Test Definition

Name	Value
Displayed name	Test Definition
OSS name	testDefinition
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestDefinition, if any, that this test was created from. Only applicable when aggregatedWith is "testSuite".

Table 33-30 Tested Entity

Name	Value
Displayed name	Tested Entity
OSS name	testSuiteTestedEntity
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestedEntity, if any, that is associated to this object. Only applicable when aggregatedWith is "testSuiteGenerated".

Table 33-31 Test Failure Threshold

Name	Value
Displayed name	Test Failure Threshold
OSS name	testFailureThreshold
Type	INT
Minimum	0
Maximum	15
Default	1
Tab|Panel	Results Configuration|general

Table 33-32 Test Interval

Name	Value
Displayed name	Test Interval
OSS name	testInterval
Type	INT
Minimum	10
Maximum	1500
Default	10
Units	minutes
Tab|Panel	test_params|exec_details
Description	Specifies the interval for this Test

Table 33-33 Test Policy

Name	Value
Displayed name	Test Policy
OSS name	testPolicyUsage
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestPolicyUsage, if any, that this test was created from. Only applicable when aggregatedWith is "testSuite".

Table 33-34 Test Result Storage

Name	Value
Displayed name	Test Result Storage
OSS name	testResultStorage
Type	ethernetoam.TestResultStorageEnum
Default	logToDB
Tab|Panel	Results Configuration|Accounting
Description	This value specifies whether or not the OAM NE Schedulable test results are to be logged to a file, stored in the DB, or both

Table 33-35 Test Suite

Name	Value
Displayed name	Test Suite
OSS name	testSuite
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestSuite, if any, that owns this test. Only applicable when aggregatedWith is "testSuite".

Table 33-36 Trap Generation

Name	Value
Displayed name	Trap Generation
OSS name	trapGenerationPolicy
Type	sas.PingTrapGenerationPolicy
Default	Test Completion
Tab|Panel	Results Configuration|general
Description	Specifies when the node sends traps while executing the test.
Enumerated types	
Probe Failure	
Test Completion	
Test Failure	

Table 33-37 VLAN Priority

Name	Value
Displayed name	VLAN Priority
OSS name	mepTwoWayDelayPriority
Type	INT
Minimum	0
Maximum	7
Default	0
Tab|Panel	General|mep_info
Description	Specifies the two way delay priority.

Table 33-38 Weight

Name	Value
Displayed name	Weight
OSS name	weight
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|General
Description	Specifies the relative load that execution of this test affects the server.

34 — CFM Two Way SLM Test

Table 34-1 CFM Two Way SLM Test parameters

Parameters	
Accounting Files	Originating MEP
Administrative State	Originating Tested Entity
Aggregated With	Packet Failure Threshold
Card TCA Profile	Packet Interval
Continuous Execution	Packet Interval Units
Data Size	Packet Timeout
Description	Priority
Forwarding Class	Probe History
Forwarding Profile	SAA Accounting Policy
Global ID	Size
Global MEG	Target MAC Address
Global MEG	Test Definition
ID	Tested Entity
Interval	Test Failure Threshold
Interval	Test Policy
Last Generated	Test Result Storage
Name	Test Suite
NE Schedulable	Timeout
Number of Test Packets	Trap Generation
Number of Test Packets	Weight

Table 34-2 Accounting Files

Name	Value
Displayed name	Accounting Files
OSS name	accountingFiles
Type	BOOL
Default	false
Tab|Panel	Results Configuration|Accounting
Description	Specifies whether this test uses SAA Accounting

Table 34-3 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	sas.TestAdminState
Default	Enabled
Tab|Panel	General|General
Description	The administrative state of the test. Disabled tests cannot be executed (even if it is a scheduled execution).
Enumerated types	
Disabled	
Enabled	
Unknown	

Table 34-4 Aggregated With

Name	Value
Displayed name	Aggregated With
OSS name	aggregatedWith
Type	sas.AggregationType
Default	None
Read-only	yes
Tab|Panel	test_suite|general
Description	Specifies if/how the test is aggregated with others tests.
Enumerated types	
None	

(1 of 2)

Name	Value
Test Suite	
Test Suite (Generated)	

(2 of 2)

Table 34-5 Card TCA Profile

Name	Value
Displayed name	Card TCA Profile
OSS name	cardStatsTCAProfilePointer
Type	POINTER
Tab|Panel	Results Configuration|general

Table 34-6 Continuous Execution

Name	Value
Displayed name	Continuous Execution
OSS name	continuousExec
Type	BOOL
Default	false
Tab|Panel	test_params|execution_info
Description	This value specifies whether or not the OAM NE Schedulable test is to be executed indefinitely.

Table 34-7 Data Size

Name	Value
Displayed name	Data Size
OSS name	twDataSize
Type	INT
Minimum	0
Maximum	1500
Default	0
Units	octets
Tab|Panel	General|mep_info

(1 of 2)

Name	Value
Description	Specifies the data size, in bytes, contained in the padding TLV for the two-way Synthetic Loss Measurement (SLM) test. A value of zero (0) specifies that no padding TLV is inserted in the SLM packet. Any non-zero value will increase the packet size by the specified data size plus 3 bytes for the TLV header.

(2 of 2)

Table 34-8 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General
Description	The description of the test. Not interpreted by SAM.

Table 34-9 Forwarding Class

Name	Value
Displayed name	Forwarding Class
OSS name	forwardingClass
Type	qos.FcEnum
Tab|Panel	test_params|exec_details
Description	specifies the forwarding class to be used when launching the probe(s). The forwarding class name must be present in the index column of TIMETRA-QOS-MIB::tFCNameTable. This object is optional. As shown in the following table a) this object is applicable to a subset of the test types, and b) the default forwarding class depends on the test type. tmnxOamPingCtlTestMode Applicable? Default ---------------------- ----------- ------- 'cpePing' yes 'be' 'ethCfmLoopback' yes 'nc' 'ethCfmTwoWayDelay' yes 'nc' ethCfmTwoWaySlm' yes 'nc' 'icmpPing' yes 'nc' 'IspPing' yes 'be' 'macPing' yes 'be' 'p2mpLspPing' yes 'be' 'sdpPing' yes 'be' 'vccvPing' yes 'be' 'vprnPing' yes 'be' otherwise no N/A For 'ethCfmLoopback','ethCfmTwoWayDelay', and 'ethCfmTwoWaySlm', the forwarding class depends on whether the request is configured to egress on a network port or an access port. In the network port case, the forwarding class is the forwarding class of the pseudowire. In the access port case, the forwarding class is that of the SAP's egress encapsulation policy. For 'IspPing' this is the forwarding class of the LSP tunnel. For 'macPing' or 'sdpPing' this is the forwarding class of the SDP encapsulation. For 'p2mpLspPing' this is the forwarding class of the P2MP LSP tree. For 'vccvPing' this is the forwarding class of the pseudowire. If forwarding classes are mapped by the applicable QoS policy, the probe(s) may be launched using a different forwarding class than the forwarding class specified by this object.

Table 34-10 Forwarding Profile

Name	Value
Displayed name	Forwarding Profile
OSS name	profile
Type	qos.Profile
Tab|Panel	test_params|exec_details
Description	The value of tmnxOamPingCtlProfile specifies the profile to be used with the forwarding class specified in tmnxOamPingCtlFcName. This object is optional. As shown in the following table a) this object is applicable to a subset of the test types, and b) the default profile value depends on the test type. tmnxOamPingCtlTestMode Applicable? Default ---------------------- ----------- ------- 'cpePing' yes 'out(2)' 'ethCfmLoopback' yes 'in(1)' 'ethCfmTwoWayDelay' yes 'in(1)' 'ethCfmTwoWaySlm' yes 'in(1)' 'icmpPing' no N/A 'lspPing' yes 'out(2)' 'macPing' yes 'out(2)' 'p2mpLspPing' yes 'out(2)' 'sdpPing' yes 'out(2)' 'vccvPing' yes 'out(2)' 'vprnPing' yes 'out(2)' otherwise no N/A

Table 34-11 Global ID

Name	Value
Displayed name	Global ID
OSS name	globalId
Type	STRING
Minimum	0
Maximum	252
Tab|Panel	General|General
Description	The display global name of the test.

Table 34-12 Global MEG

Name	Value
Displayed name	Global MEG
OSS name	globalMA
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|meg_conf
Description	The Global MEG to which this CFM test is associated with.

Table 34-13 Global MEG

Name	Value
Displayed name	Global MEG
OSS name	globalMA
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|mep_orig_info
Description	The Global MEG to which this CFM test is associated with.

Table 34-14 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	1
Maximum	99999999
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the STM test.

Table 34-15 Interval

Name	Value
Displayed name	Interval
OSS name	twInterval
Type	INT
Minimum	1
Maximum	10
Default	5
Units	seconds
Tab|Panel	General|mep_info
Description	Specifies the delay, in seconds, between Synthetic Loss Measurement (SLM) messages for the two-way SLM test

Table 34-16 Interval

Name	Value
Displayed name	Interval
OSS name	twIntervalReDef
Type	ethernetoam.TwIntervalReDef
Default	1 sec
Tab|Panel	General|mep_info
Description	Specifies the delay, in seconds, milliseconds and minutes between Synthetic Loss Measurement (SLM) messages for the two-way SLM test
Enumerated types	
100 ms	
10 min	
10 sec	
1 min	
1 sec	

Table 34-17 Last Generated

Name	Value
Displayed name	Last Generated
OSS name	lastGeneratedTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	test_suite|general
Description	Date (time from January 1st, 1970) when this test was last generated. This attribute has value only when this test is bound to a Test Suite.

Table 34-18 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	The display name of the test. Not interpreted by SAM.

(2 of 2)

Table 34-19 NE Schedulable

Name	Value
Displayed name	NE Schedulable
OSS name	neSchedulable
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	General|General
Description	Used to make this test NE schedulable. An NE schedulable test is immediately installed onto the node, and may use the node's CRON feature to schedule its executions.

Table 34-20 Number of Test Packets

Name	Value
Displayed name	Number of Test Packets
OSS name	packetsToSend
Type	INT
Minimum	1
Maximum	100
Default	1
Tab|Panel	test_params|exec_details
Description	The number of probes to send.

Table 34-21 Number of Test Packets

Name	Value
Displayed name	Number of Test Packets
OSS name	twSendCount
Type	INT
Minimum	1
Maximum	100
Default	1

(1 of 2)

Name	Value
Tab|Panel	General|mep_info
Description	Specifies the number of Synthetic Loss Measurement (SLM) packets to send during the two-way SLM tes.

(2 of 2)

Table 34-22 Originating MEP

Name	Value
Displayed name	Originating MEP
OSS name	originatingMep
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|mep_orig_info
Description	The MEP element that is the origin of the CFM test.

Table 34-23 Originating Tested Entity

Name	Value
Displayed name	Originating Tested Entity
OSS name	testedEntityName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Displays the service name of the tested entity

Table 34-24 Packet Failure Threshold

Name	Value
Displayed name	Packet Failure Threshold
OSS name	packetFailureThreshold
Type	INT
Minimum	0
Maximum	15
Default	1
Tab|Panel	Results Configuration|general

Table 34-25 Packet Interval

Name	Value
Displayed name	Packet Interval
OSS name	packetInterval
Type	INT
Minimum	1
Maximum	10
Default	5
Units	seconds
Tab|Panel	test_params|exec_details
Description	Specifies the number of seconds to wait before sending the next probe.

Table 34-26 Packet Interval Units

Name	Value
Displayed name	Packet Interval Units
OSS name	packetIntervalUnits
Type	ethernetoam.PacketIntervalUnitsType
Default	Seconds
Tab|Panel	test_params|exec_details
Description	Specifies the interval units for this Test
Enumerated types	
Centiseconds	
Seconds	

Table 34-27 Packet Timeout

Name	Value
Displayed name	Packet Timeout
OSS name	packetTimeout
Type	INT
Minimum	1
Maximum	10
Default	5
Units	seconds
Tab|Panel	test_params|exec_details

(1 of 2)

Name	Value
Description	Specifies the time-out-value, in seconds, to wait for an OAM Echo message reply. Upon expiration of the timeout period, the agent assumes that the message response will not be received. An appropriate error value is written to Probe Result Status for the timed out probe entry. Any response received after the timeout period has expired is silently discarded.

(2 of 2)

Table 34-28 Priority

Name	Value
Displayed name	Priority
OSS name	twPriority
Type	INT
Minimum	0
Maximum	7
Default	7
Tab|Panel	General|mep_info
Description	Specifies the priority used in the generated test frame for the two-way Synthetic Loss Measurement (SLM) test.

Table 34-29 Probe History

Name	Value
Displayed name	Probe History
OSS name	probeHistory
Type	sas.ProbeHistoryType
Default	Auto
Tab|Panel	test_params|exec_details
Description	The value of probeHistory indicates whether or not per-probe history will be kept for this test.
Enumerated types	
Auto	
Drop	
Keep	

Table 34-30 SAA Accounting Policy

Name	Value
Displayed name	SAA Accounting Policy
OSS name	accountingPolicyObjectPointer
Type	POINTER
Read-only	yes
Tab|Panel	Results Configuration|Accounting

Table 34-31 Size

Name	Value
Displayed name	Size
OSS name	packetSize
Type	INT
Minimum	0
Maximum	1500
Default	0
Units	octets
Tab|Panel	test_params|exec_details
Description	Specifies the the number of octets in the Value field of the Data TLV of the Ethernet CFM Loopback packet. If zero is specified, the packet has no Data TLV.

Table 34-32 Target MAC Address

Name	Value
Displayed name	Target MAC Address
OSS name	mepTargetMacAddr
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|meptarget_info
Description	Specifies the Target MAC address.

Table 34-33 Test Definition

Name	Value
Displayed name	Test Definition

(1 of 2)

Name	Value
OSS name	testDefinition
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestDefinition, if any, that this test was created from. Only applicable when aggregatedWith is "testSuite".

(2 of 2)

Table 34-34 Tested Entity

Name	Value
Displayed name	Tested Entity
OSS name	testSuiteTestedEntity
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestedEntity, if any, that is associated to this object. Only applicable when aggregatedWith is "testSuiteGenerated".

Table 34-35 Test Failure Threshold

Name	Value
Displayed name	Test Failure Threshold
OSS name	testFailureThreshold
Type	INT
Minimum	0
Maximum	15
Default	1
Tab|Panel	Results Configuration|general

Table 34-36 Test Policy

Name	Value
Displayed name	Test Policy
OSS name	testPolicyUsage
Type	POINTER
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestPolicyUsage, if any, that this test was created from. Only applicable when aggregatedWith is "testSuite".

(2 of 2)

Table 34-37 Test Result Storage

Name	Value
Displayed name	Test Result Storage
OSS name	testResultStorage
Type	ethernetoam.TestResultStorageEnum
Default	logToDB
Tab|Panel	Results Configuration|Accounting
Description	This value specifies whether or not the OAM NE Schedulable test results are to be logged to a file, stored in the DB, or both

Table 34-38 Test Suite

Name	Value
Displayed name	Test Suite
OSS name	testSuite
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestSuite, if any, that owns this test. Only applicable when aggregatedWith is "testSuite".

Table 34-39 Timeout

Name	Value
Displayed name	Timeout
OSS name	twTimeout
Type	INT
Minimum	1
Maximum	10
Default	5
Units	seconds

(1 of 2)

Name	Value
Tab|Panel	General|mep_info
Description	Specifies the time-out value, in seconds, to wait for a Synthetic Loss Measurement (SLM) message to reply for the two-way SLM test. Upon expiration of the timeout period, the agent assumes that the message response will not be received. Any response received after the timeout period has expired is silently discarded.

(2 of 2)

Table 34-40 Trap Generation

Name	Value
Displayed name	Trap Generation
OSS name	trapGenerationPolicy
Type	sas.PingTrapGenerationPolicy
Default	Test Completion
Tab|Panel	Results Configuration|general
Description	Specifies when the node sends traps while executing the test.
Enumerated types	
Probe Failure	
Test Completion	
Test Failure	

Table 34-41 Weight

Name	Value
Displayed name	Weight
OSS name	weight
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|General
Description	Specifies the relative load that execution of this test affects the server.

35 — Command

Table 35-1 Command parameters

Parameters	
Command	Command Type

Table 35-2 Command

Name	Value
Displayed name	Command
OSS name	command
Type	optical.PerformCommand
Default	No Cmd
Tab|Panel	General|General
Description	The internal command issued to the node - noCmd(1), execute(2).
Enumerated types	
Execute	
Execute with Force	
No Cmd	

Table 35-3 Command Type

Name	Value
Displayed name	Command Type
OSS name	type
Type	optical.CommandType
Mandatory on creation	yes
Tab|Panel	General|General
Description	The type of operation to be executed on the node.

36 — Control Processor

Table 36-1 Control Processor parameters

Parameters	
Administrative State	Memory Size
Background Diagnostics Fault Reason	Number of CPUs
Background Diagnostics State	Operational State
CLEI Code	Oscillator Type
CPU Type	Part Number
Daughter Card Slot ID	Redundant Status
Hardware Class	Serial Number
Hold on Reboot	Site ID
Manufacture Date	Site ID
Manufacturer	Site Name
Manufacturing Assembly No	Site Name
Manufacturing Deviations	Slot ID
Manufacturing Variant	

Table 36-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	equipment.AdministrativeState
Default	Unknown
Tab|Panel	General|Equipment

(1 of 2)

Name	Value
Enumerated types	
Diagnose	
Up	
Locked	
Maintenance	
Unknown	
Not Relevant	
Operate Switch	
Down	
Shutting Down	
Unlocked	

(2 of 2)

Table 36-3 Background Diagnostics Fault Reason

Name	Value
Displayed name	Background Diagnostics Fault Reason
OSS name	backgroundDiagnosticsFaultReason
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 36-4 Background Diagnostics State

Name	Value
Displayed name	Background Diagnostics State
OSS name	backgroundDiagnosticsState
Type	equipment.BackgroundDiagnosticsStateType
Default	Unknown
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
Critical Fault Detected	
Fault Detected	
N/A	
Ok	

(1 of 2)

Name	Value
Unknown	

(2 of 2)

Table 36-5 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING
Minimum	0
Maximum	16
Read-only	yes
Tab|Panel	General|Equipment Location Codes

Table 36-6 CPU Type

Name	Value
Displayed name	CPU Type
OSS name	cpuType
Type	equipment.ProcessorType
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Enumerated types	
MIPS	
Pentium-PC	
Unknown	

Table 36-7 Daughter Card Slot ID

Name	Value
Displayed name	Daughter Card Slot ID
OSS name	daughterCardId
Type	INT
Default	1
Mandatory on creation	yes

(1 of 2)

Name	Value
Tab|Panel	General|General

(2 of 2)

Table 36-8 Hardware Class

Name	Value
Displayed name	Hardware Class
OSS name	hardwareClass
Type	equipment.HardwareClassType
Default	no
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
External Alarm Input	
Fam	
N/A	

Table 36-9 Hold on Reboot

Name	Value
Displayed name	Hold on Reboot
OSS name	rebootHold
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General
Description	Specifies whether the standby CPM/SFM card in hold on a soft reboot, preventing it from coming back online.

Table 36-10 Manufacture Date

Name	Value
Displayed name	Manufacture Date
OSS name	manufactureDate
Type	STRING
Maximum	252

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 36-11 Manufacturer

Name	Value
Displayed name	Manufacturer
OSS name	manufacturer
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 36-12 Manufacturing Assembly No

Name	Value
Displayed name	Manufacturing Assembly No
OSS name	manufacturingAssemblyNo
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 36-13 Manufacturing Deviations

Name	Value
Displayed name	Manufacturing Deviations
OSS name	manufacturingDeviations
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 36-14 Manufacturing Variant

Name	Value
Displayed name	Manufacturing Variant
OSS name	manufacturingVariant
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 36-15 Memory Size

Name	Value
Displayed name	Memory Size
OSS name	memorySize
Type	LONG
Default	0
Units	MB
Read-only	yes
Tab|Panel	General|General

Table 36-16 Number of CPUs

Name	Value
Displayed name	Number of CPUs
OSS name	numberOfCpus
Type	INT
Default	2
Read-only	yes
Tab|Panel	General|General

Table 36-17 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	equipment.OperationalState

(1 of 2)

Name	Value
Default	Unknown
Read-only	yes
Tab|Panel	General|Equipment
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	
Provisioned	
Reserved	
Reset Pending	
Shutting Down	
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

(2 of 2)

Table 36-18 Oscillator Type

Name	Value
Displayed name	Oscillator Type
OSS name	processorOscillator
Type	equipment.ProcessorOscillatorType
Default	TCXO
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|General
Enumerated types	
None	
OCXO	
TCXO	

(2 of 2)

Table 36-19 Part Number

Name	Value
Displayed name	Part Number
OSS name	manufacturerBoardNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 36-20 Redundant Status

Name	Value
Displayed name	Redundant Status
OSS name	redundantStatus
Type	equipment.ProcessorRedundancyStatus
Default	Singleton
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Redundant Active	
Redundant Disabled	
Redundant Split	
Redundant Standby	
Redundant Synching	
Singleton	
Unknown	

Table 36-21 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	serialNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 36-22 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Equipment

Table 36-23 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|General

Table 36-24 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING

(1 of 2)

Name	Value
Maximum	252
Read-only	yes
Tab|Panel	General|Equipment

(2 of 2)

Table 36-25 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 36-26 Slot ID

Name	Value
Displayed name	Slot ID
OSS name	slotId
Type	INT
Default	1
Read-only	yes
Tab|Panel	General|General

37 — DirectInterfaceCtp

Table 37-1 DirectInterfaceCtp parameters

Parameters	
Interface ID	Routing Instance Name
Interface Name	Site ID
Routing Instance ID	Site Name

Table 37-2 Interface ID

Name	Value
Displayed name	Interface ID
OSS name	virtualRouterInterfaceId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Interface

Table 37-3 Interface Name

Name	Value
Displayed name	Interface Name
OSS name	terminatedObjectName

(1 of 2)

Name	Value
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Interface

(2 of 2)

Table 37-4 Routing Instance ID

Name	Value
Displayed name	Routing Instance ID
OSS name	virtualRouterId
Type	LONG
Default	1
Read-only	yes
Tab|Panel	General|Routing Instance

Table 37-5 Routing Instance Name

Name	Value
Displayed name	Routing Instance Name
OSS name	routerName
Type	STRING
Minimum	0
Maximum	32
Read-only	yes
Tab|Panel	General|Routing Instance

Table 37-6 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 37-7 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

38 — Discovered Remote Managed Device

Table 38-1 Discovered Remote Managed Device parameters

Parameters	
Device Type Interface ID MAC Address Multicast MAC Address	OUI Site ID Site Name

Table 38-2 Device Type

Name	Value
Displayed name	Device Type
OSS name	deviceType
Type	rmd.DeviceType
Default	EFM
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
CEDD	
CFM	
EFM	
Unknown	

Table 38-3 Interface ID

Name	Value
Displayed name	Interface ID
OSS name	interfaceId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General

Table 38-4 MAC Address

Name	Value
Displayed name	MAC Address
OSS name	macAddress
Type	MACADDR
Mandatory on creation	yes
Tab|Panel	General|General

Table 38-5 Multicast MAC Address

Name	Value
Displayed name	Multicast MAC Address
OSS name	multicastMacAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|General

Table 38-6 OUI

Name	Value
Displayed name	OUI
OSS name	deviceOui
Type	STRING
Default	00-19-3A
Tab|Panel	General|General

Table 38-7 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site Info

Table 38-8 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site Info

39 — DryContact

Table 39-1 DryContact parameters

Parameters	
Alarm Clear Message	Dry Contact ID
Alarm Severity	External Alarm Status
Alarm Trigger Message	Last Time Changed
Connected To	Monitored Status
Control Status	Name
Control Type	Pin Number
Description	Polarity

Table 39-2 Alarm Clear Message

Name	Value
Displayed name	Alarm Clear Message
OSS name	externalAlarmClearMessage
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 39-3 Alarm Severity

Name	Value
Displayed name	Alarm Severity
OSS name	externalAlarmSeverity
Type	equipment.ExternalAlarmSeverity
Default	1
Tab|Panel	General|General

Table 39-4 Alarm Trigger Message

Name	Value
Displayed name	Alarm Trigger Message
OSS name	externalAlarmTriggerMessage
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 39-5 Connected To

Name	Value
Displayed name	Connected To
OSS name	connectedTo
Type	POINTER
Tab|Panel	General|General
Description	This property indicates the Amplifier Card that the User Interface Panel port is connected To.

Table 39-6 Control Status

Name	Value
Displayed name	Control Status
OSS name	controlledStatus
Type	equipment.ControlledStatus
Default	Release
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	This property indicates the External Control Status of the User Interface Panel port.
Enumerated types	
Raman APR	
Operate	
Racklamp	
Release	

(2 of 2)

Table 39-7 Control Type

Name	Value
Displayed name	Control Type
OSS name	controlType
Type	STRING
Minimum	0
Maximum	56
Tab|Panel	General|General
Description	This property indicates the External Control Type of the User Interface Panel port.

Table 39-8 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 39-9 Dry Contact ID

Name	Value
Displayed name	Dry Contact ID
OSS name	dryContactId
Type	INT

(1 of 2)

Name	Value
Minimum	1
Maximum	4
Default	1
Mandatory on creation	yes
Tab|Panel	General|General

(2 of 2)

Table 39-10 External Alarm Status

Name	Value
Displayed name	External Alarm Status
OSS name	externalAlarmStatus
Type	equipment.ExternalAlarmStatus
Default	1
Tab|Panel	General|General
Enumerated types	
Alarm	
No Alarm	
Not Equipped	
Unknown	

Table 39-11 Last Time Changed

Name	Value
Displayed name	Last Time Changed
OSS name	lastChange
Type	equipment.TIME
Tab|Panel	General|General

Table 39-12 Monitored Status

Name	Value
Displayed name	Monitored Status
OSS name	enableStatus
Type	equipment.EnableStatus
Default	1

(1 of 2)

Name	Value
Tab|Panel	General|General
Enumerated types	
Disabled	
Enabled	

(2 of 2)

Table 39-13 Name

Name	Value
Displayed name	Name
OSS name	dryContactName
Type	STRING
Minimum	0
Maximum	16
Tab|Panel	General|General

Table 39-14 Pin Number

Name	Value
Displayed name	Pin Number
OSS name	pinNumber
Type	INT
Minimum	1
Maximum	12
Default	1
Tab|Panel	General|General

Table 39-15 Polarity

Name	Value
Displayed name	Polarity
OSS name	polarity
Type	equipment.Polarity
Default	1
Tab|Panel	General|General
Enumerated types	

(1 of 2)

Name	Value
Normally Closed	
Normally Opened	

(2 of 2)

40 — Dynamic Tilt Adjustment

Table 40-1 Dynamic Tilt Adjustment parameters

Parameters	
Card Sub Type	Site ID
Connector Loss to Span	Site Name
Description	SRS Tilt Calculation Coefficient
Direction	SRS Tilt Calculation Multiplier
Execute Command	Status
Post-Compensated SRS Tilt Fraction	Tilt Calculation Offset
Pre-Compensated Loss Tilt	Topology
Pre-Compensated SRS Tilt Fraction	Type
Result	

Table 40-2 Card Sub Type

Name	Value
Displayed name	Card Sub Type
OSS name	assignedCardSubType
Type	equipment.CardSubType
Default	unspecified
Tab|Panel	General|General
Description	The assigned card subtype of the card on which this power adjustment is applicable.
Enumerated types	

(1 of 5)

Name	Value
Occupied by other Card	
112PDM11	
112SA1L	
112SCA1-100GEth	
112SCA1-OTU4	
112SCX10	
112SNA1-100GEth	
112SNA1-OTU4	
112SNX10	
112SX10L	
11DPE12A	
11DPE12E	
11DPE12	
11DPM12	
11OPE8	
11QCE12X	
11QPA4	
11QPE24	
11QPEN4	
11STAR1A	
11STAR1	
11STGE12	
11STMM10	
130SCX10	
1DPP24M-Master	
1DPP24M-Slave	
43SCA1-OTU3	
43SCA1-SONET/SDH	
43SCGE1	
43SCX4	
43SCX4E	
43STA1P	
43STX4	
43STX4P	
4DPA2	
4DPA4 FlexMux	
4DPA4 DualTran	

(2 of 5)

Name	Value
4QPA8	
A2325A	
A2P2125	
AHPHG	
AHPLG	
ALPFGK	
ALPFGT	
ALPHG	
AM2017B	
AM2125A	
AM2125B	
AM2318A	
AM2325B	
BTC	
10AN10G	
24ANM	
CWR8-88	
CWR8	
DCM	
HKPCNTL	
EC	
Fan Unit	
FLC	
10ET10G	
24ET1GB	
4AN10G	
8ET1GB	
ITLB	
ITLU	
MT0C	
MESH4	
MVAC8B	
MVAC	
OPSA	
OPSB	
OSC	
OSCT	

(3 of 5)

Name	Value
PF	
PTPCTL	
PTPIO	
RA2P	
SFC1A	
SFC1B	
SFC1C	
SFC1D	
SFC1E	
SFC1F	
SFC1G	
SFC1H	
SFC2A	
SFC2B	
SFC2C	
SFC2D	
SFC4A	
SFC4B	
SFC8	
SFD40B	
SFD40	
SFD44B	
SFD44	
SFD4A	
SFD4B	
SFD4C	
SFD4D	
SFD4E	
SFD4F	
SFD4G	
SFD4H	
SFD5A	
SFD5B	
SFD5C	
SFD5D	
SFD5E	
SFD5F	

(4 of 5)

Name	Value
SFD5G	
SFD5H	
SFD8A	
SFD8B	
SFD8C	
SFD8D	
SVAC	
11QCUPC	
130SCUP	
MXEC320H	
MTC1T9	
User Interface Panel	
WR2-88	
WR8-88A	
WR8-88AF	
WTOCMA	
WTOCM	

(5 of 5)

Table 40-3 Connector Loss to Span

Name	Value
Displayed name	Connector Loss to Span
OSS name	srsTiltCalcOutputLoss
Type	FLOAT
Minimum	0.0
Maximum	10.0
Default	0.0
Units	dB
Tab|Panel	General|Dynamic Tilt Attributes
Description	Configurable loss from the egress Line Out to the fiber span input. Current configurable range: 0 to 10.0.

Table 40-4 Description

Name	Value
Displayed name	Description

(1 of 2)

40 — Dynamic Tilt Adjustment

Name	Value
OSS name	displayedName
Type	STRING
Tab|Panel	General|General
Description	The displayed name of this object.

(2 of 2)

Table 40-5 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	optical.PowerAdjDirection
Mandatory on creation	yes
Tab|Panel	General|Power Adjustment
Description	The direction of power adjustment - ingress, egress, add, drop, etc.
Enumerated types	
Add	
Drop	
Egress	
Ingress	

Table 40-6 Execute Command

Name	Value
Displayed name	Execute Command
OSS name	powerAdjustCommand
Type	optical.PowerAdjCommand
Default	No Command
Tab|Panel	General|Power Adjustment
Description	The power adjustment operation exposed to the user - start, stop, abort, etc.
Enumerated types	
Abort	
No Command	
Start	
Stop	

Table 40-7 Post-Compensated SRS Tilt Fraction

Name	Value
Displayed name	Post-Compensated SRS Tilt Fraction
OSS name	srsTiltPostFraction
Type	INT
Minimum	0
Maximum	300
Default	0
Units	100ths
Tab|Panel	General|Dynamic Tilt Attributes
Description	Used to modify the fraction of upstream span SRS tilt post compensated. Current configurable range: 0 to 300.

Table 40-8 Pre-Compensated Loss Tilt

Name	Value
Displayed name	Pre-Compensated Loss Tilt
OSS name	fiberSpanTiltPreComp
Type	FLOAT
Minimum	0.0
Maximum	30.0
Default	0.0
Units	dB
Tab|Panel	General|Dynamic Tilt Attributes
Description	Amount of fiber span tilt to pre compensate. Current configurable range: 0 to 30.00.

Table 40-9 Pre-Compensated SRS Tilt Fraction

Name	Value
Displayed name	Pre-Compensated SRS Tilt Fraction
OSS name	srsTiltPreFraction
Type	INT
Minimum	0
Maximum	300
Default	0
Units	100ths

(1 of 2)

Name	Value
Tab|Panel	General|Dynamic Tilt Attributes
Description	This is used to modify the fraction of following span SRS tilt pre compensated. Current configurable range: 0 to 300.

(2 of 2)

Table 40-10 Result

Name	Value
Displayed name	Result
OSS name	powerAdjustResult
Type	STRING
Tab|Panel	General|Power Adjustment
Description	The result of the last executed power adjustment operation.

Table 40-11 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Tab|Panel	General|General
Description	The site identifier.

Table 40-12 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Tab|Panel	General|General
Description	The site name.

Table 40-13 SRS Tilt Calculation Coefficient

Name	Value
Displayed name	SRS Tilt Calculation Coefficient
OSS name	srsTiltCalcACoeff
Type	INT
Minimum	0
Maximum	10000
Default	0
Tab|Panel	General|Dynamic Tilt Attributes
Description	Modeling coefficient for the SRSTilt = A*Pout(mW) equation. Current configurable range: 0 to 10000.

Table 40-14 SRS Tilt Calculation Multiplier

Name	Value
Displayed name	SRS Tilt Calculation Multiplier
OSS name	srsTiltCalcMultiplier
Type	INT
Minimum	0
Maximum	300
Default	100
Units	100ths
Tab|Panel	General|Dynamic Tilt Attributes
Description	This is used to modify the calculated SRS tilt of the span. Current configurable range: 0 to 300.

Table 40-15 Status

Name	Value
Displayed name	Status
OSS name	powerAdjustStatus
Type	optical.PowerAdjStatus
Tab|Panel	General|Power Adjustment
Description	Indicates the status of the executed power adjustment operation.
Enumerated types	
Completed	
In Progress	

(1 of 2)

40 — Dynamic Tilt Adjustment

Name	Value
Not In Progress	

(2 of 2)

Table 40-16 Tilt Calculation Offset

Name	Value
Displayed name	Tilt Calculation Offset
OSS name	srsTiltCalcOffset
Type	FLOAT
Minimum	-50.0
Maximum	50.0
Default	0
Units	dB
Tab|Panel	General|Dynamic Tilt Attributes
Description	Indicates if the LD setting has been offset to compensate downstream TiltMismatch. Range: -50.0 to 50.0.

Table 40-17 Topology

Name	Value
Displayed name	Topology
OSS name	topology
Type	optical.TopologyType
Default	Not Applicable
Mandatory on creation	yes
Tab|Panel	General|Power Adjustment
Description	The type of topology - linear, ring, etc.
Enumerated types	
Linear (Forced X-Conn Req'd)	
Not Applicable	
Ring (ASE Adjust)	

Table 40-18 Type

Name	Value
Displayed name	Type

(1 of 2)

Name	Value
OSS name	powerAdjustType
Type	optical.PowerAdjType
Mandatory on creation	yes
Tab|Panel	General|Power Adjustment
Description	The type of power adjustment - linear, ring, dynamicTilt, etc.
Enumerated types	
Dynamic Tilt	
Linear	
Ring	

(2 of 2)

41 — Equipment

Table 41-1 Equipment parameters

Parameters	
Administrative State	Manufacturing Deviations
Background Diagnostics Fault Reason	Manufacturing Variant
Background Diagnostics State	Operational State
CLEI Code	Part Number
Hardware Class	Serial Number
Manufacture Date	Site ID
Manufacturer	Site Name
Manufacturing Assembly No	

Table 41-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	equipment.AdministrativeState
Default	Unknown
Tab|Panel	General|Equipment
Enumerated types	
Diagnose	
Up	
Locked	

(1 of 2)

Name	Value
Maintenance	
Unknown	
Not Relevant	
Operate Switch	
Down	
Shutting Down	
Unlocked	

(2 of 2)

Table 41-3 Background Diagnostics Fault Reason

Name	Value
Displayed name	Background Diagnostics Fault Reason
OSS name	backgroundDiagnosticsFaultReason
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 41-4 Background Diagnostics State

Name	Value
Displayed name	Background Diagnostics State
OSS name	backgroundDiagnosticsState
Type	equipment.BackgroundDiagnosticsStateType
Default	Unknown
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
Critical Fault Detected	
Fault Detected	
N/A	
Ok	
Unknown	

Table 41-5 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING
Minimum	0
Maximum	16
Read-only	yes
Tab|Panel	General|Equipment Location Codes

Table 41-6 Hardware Class

Name	Value
Displayed name	Hardware Class
OSS name	hardwareClass
Type	equipment.HardwareClassType
Default	no
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
External Alarm Input	
Fam	
N/A	

Table 41-7 Manufacture Date

Name	Value
Displayed name	Manufacture Date
OSS name	manufactureDate
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 41-8 Manufacturer

Name	Value
Displayed name	Manufacturer
OSS name	manufacturer
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 41-9 Manufacturing Assembly No

Name	Value
Displayed name	Manufacturing Assembly No
OSS name	manufacturingAssemblyNo
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 41-10 Manufacturing Deviations

Name	Value
Displayed name	Manufacturing Deviations
OSS name	manufacturingDeviations
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 41-11 Manufacturing Variant

Name	Value
Displayed name	Manufacturing Variant
OSS name	manufacturingVariant
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 41-12 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	equipment.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	General|Equipment
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	
Provisioned	
Reserved	
Reset Pending	
Shutting Down	
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

Table 41-13 Part Number

Name	Value
Displayed name	Part Number

(1 of 2)

Name	Value
OSS name	manufacturerBoardNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 41-14 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	serialNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 41-15 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Equipment

Table 41-16 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Equipment

42 — Equipment Alarm Profile

Table 42-1 Equipment Alarm Profile parameters

Parameters	
Category	Default Severity
Condition	Override Severity

Table 42-2 Category

Name	Value
Displayed name	Category
OSS name	alarmEntityType
Type	optical.TrapEntityType
Mandatory on creation	yes
Tab|Panel	General|General
Description	The trap entity type
Enumerated types	
ALL	
BITS	
CBR10G3	
CBR2G5	
CBRAR	
COM	

(1 of 6)

42 — Equipment Alarm Profile

Name	Value
CPDPR	
CPLMP	
CPNEIGHBOR	
CPRSVP	
DBLINK	
DDR	
E1	
ENV	
EQPT	
FC10G	
FC16G	
FC100	
FC200	
FC400	
FC800	
FE	
40GBE	
1GBE	
GMRENODE	
100GBE	
LAG	
LINEREF	
LOG	
LOODU	
LSP	
MEP	
NETIF	
OC12/STM4	
OC192/STM64	
OC3/STM1	
OC48/STM16	
OC768/STM256	
OCH	
ODU0	
ODU0TCM	
ODU1	
ODU1F	

(2 of 6)

Name	Value
ODU1FTCM	
ODU1ODU0	
ODU1ODU0TCM	
ODU1PTF	
ODU1TCM	
ODU2	
ODU2E	
ODU2EODU0	
ODU2EODU0TCM	
ODU2EODU1	
ODU2EODU1TCM	
ODU2EODUF	
ODU2EODUFTCM	
ODU2ETCM	
ODU2ODU0	
ODU2ODU0TCM	
ODU2ODU1	
ODU2ODU1TCM	
ODU2ODUF	
ODU2ODUFTCM	
ODU2TCM	
ODU3	
ODU3E	
ODU3E2	
ODU3E2ODU0	
ODU3E2ODU0TCM	
ODU3E2ODU1	
ODU3E2ODU1TCM	
ODU3E2ODU2	
ODU3E2ODU2E	
ODU3E2ODU2ETCM	
ODU3E2ODU2TCM	
ODU3E2ODUF	
ODU3E2ODUFTCM	
ODU3E2TCM	
ODU3EODU0	
ODU3EODU0TCM	

(3 of 6)

Name	Value
ODU3EODU1	
ODU3EODU1TCM	
ODU3EODU2	
ODU3EODU2E	
ODU3EODU2ETCM	
ODU3EODU2TCM	
ODU3EODUF	
ODU3EODUFTCM	
ODU3ETCM	
ODU3ODU0	
ODU3ODU0TCM	
ODU3ODU1	
ODU3ODU1TCM	
ODU3ODU2	
ODU3ODU2E	
ODU3ODU2ETCM	
ODU3ODU2TCM	
ODU3ODUF	
ODU3ODUFTCM	
ODU3TCM	
ODU4	
ODU4ODU0	
ODU4ODU0TCM	
ODU4ODU1	
ODU4ODU1F	
ODU4ODU1FTCM	
ODU4ODU1TCM	
ODU4ODU2	
ODU4ODU2E	
ODU4ODU2ETCM	
ODU4ODU2TCM	
ODU4ODU3	
ODU4ODU3E	
ODU4ODU3E2	
ODU4ODU3E2TCM	
ODU4ODU3ETCM	
ODU4ODU3TCM	

(4 of 6)

Name	Value
ODU4ODUF	
ODU4ODUFTCM	
ODU4TCM	
ODUF	
ODUFTCM	
OFA	
OMS	
OPTSG	
OTNFAC	
OTS	
OTU	
OTU0	
OTU1	
OTU1F	
OTU2	
OTU2E	
OTU3	
OTU3E	
OTU3E2	
OTU4	
OTUODU0	
OTUODU0TCM	
OTUODU1	
OTUODU1F	
OTUOODU1FTCM	
OTUODU1TCM	
OTUODU2	
OTUODU2E	
OTUODU2ETCM	
OTUODU2TCM	
OTUODU3	
OTUODU3E	
OTUODU3E2	
OTUODU3E2TCM	
OTUODU3ETCM	
OTUODU3TCM	
OTUODU4	

(5 of 6)

Name	Value
OTUODU4TCM	
PLK	
PM	
PTPCLOCK	
PTPPORT	
RMD	
RMDCESCHNNEL	
RMDIF	
RMDIFMAU	
RMDMEP	
RMDNIM	
SCLOCK	
SDR	
SESSION	
SRERP	
SRMEP	
SROAMSAACTL	
SRSAP	
SRSVC	
SYNC	
TELINK	
10GBE	
TIMING	
TOD	
TRU	
VTS	

(6 of 6)

Table 42-3 Condition

Name	Value
Displayed name	Condition
OSS name	alarmCondition
Type	optical.TrapCondition
Mandatory on creation	yes
Tab|Panel	General|General
Description	The trap condition

(1 of 31)

Name	Value
Enumerated types	
aesFipsFailure	
aisLM	
aisLmsAis	
aisPauAis	
aisTcm	
alienEgrLOS	
allChanMiss	
allChanMissOut	
almRSync	
almRSyncEnd	
ampDisabled	
ampEol	
ANNOUNCELOSS	
apeInProgress	
aprInvalidTopo	
aprLine	
aprNode	
aprOsc	
aprSwitch	
aprUnavail	
aprUnavailOsc	
apsB	
apsCm	
apsMm	
apsNoRed	
arcIND	
asonTopo	
auAisP	
auLopP	
authFail	
autoReset	
autoSwTimRef	
autoSwTimRefT4	
autoSyncSw	
b1Sd	
backupUnavail	

(2 of 31)

Name	Value
backwardDefectIndicationEgress	
baseline	
bdi	
bdiOdu	
bdiOduOut	
bdiTcm	
binsRolled	
bitsAIS	
bitsLof	
bitsLos	
bitsMAN	
bkupCom	
boardEqpt	
brkTrip	
capBufr	
cardBoot	
cardIdRcvd	
cardInBoot	
cardInit	
cardInitBcm	
cardInitFail	
cardInitNonBcm	
cardNotAllowed	
cardSanity	
cbr10G3RxLOS	
cbr10G3RxLSS	
ccActChg	
cfCapacityWarning	
cfmAisEvnt	
cfmDmTestComplete	
cfmFltEvnt	
cfmLbmTestComplete	
cfmLmTestComplete	
cfmLtmTestComplete	
cfmSlmTestComplete	
change	
channelViolation	

(3 of 31)

Name	Value
chkBkplane	
ckm	
clearAllTcas	
colorViolation	
comm	
commDeg	
commDown	
configFail	
contBus	
contCom	
contComm	
contEqpt	
contEqptSplit	
contr	
contrDup	
contrenDgr	
contrenFail	
contrOut	
cpuPerformance	
crdInit	
crTca	
csf	
csfGfp	
CSFGFPOUT	
csfOduEgr	
csfOduOut	
dataErr	
dataFlt	
dbErr	
dbFl	
dbFt	
dbFull	
dbInvalid	
dbMemTrf	
dbUnsync	
dcConfigFail	
deg	

(4 of 31)

Name	Value
degOtu	
degOut	
degTcm	
DELAYRESLOSS	
dormantUser	
dwAis	
dwLof	
dwLom	
dwSd	
dwSf	
e1AisEgr	
e1AisL	
e1Lof	
e1LofEgr	
e1Los	
e1NoCrc4M	
e1NoCRC4MEgr	
e1Rai	
e1RaiEgr	
ebero	
egressSSF	
envInput1Active	
envInput2Active	
envInput3Active	
envInput4Active	
envInput5Active	
envInput6Active	
envInput7Active	
envInput8Active	
eptUploadErr	
eqpt	
eqptCrypto	
eqptDgr	
eqptDgrMon	
eqptDgrOch	
eqptDgrOchOut	
eqptDgrOut	

(5 of 31)

Name	Value
eqptPort	
erpFwdStateChng	
escLatchFail	
esm	
ethCSF	
ethRingPathProvMismatch	
etrMismatch	
etrMismatchMod	
excessLoad	
excessLoss	
facServ	
facTerm	
facTermDev	
facTermDgr	
fan32HRqd	
fanSpeed	
fanSpeedHigh	
fanSpeedLow	
fanSpeedMan	
farEndLos	
faulty	
fdi	
fdiClt	
feAIs	
feasibilityViolation	
fecEcSd	
fecFail	
fecUbcSd	
feFlt	
feLfi	
feLos	
feLss	
fePortMismatch	
fePrLf	
feRfi	
fipsFailure	
fipsSwMismatch	

(6 of 31)

Name	Value
flt	
fpgaFail	
fpgaInit	
FPGAINIT1	
FPGAINIT10	
FPGAINIT2	
FPGAINIT3	
FPGAINIT4	
FPGAINIT5	
FPGAINIT6	
FPGAINIT7	
FPGAINIT8	
FPGAINIT9	
FPGAPRELOAD	
fpgaTimeout	
frcdSwTimRef	
frcdSwTimRefT4	
frcdWkSwBk	
frcdWkSwBkVTS1	
frcdWkSwBkVTS10	
frcdWkSwBkVTS2	
frcdWkSwBkVTS3	
frcdWkSwBkVTS4	
frcdWkSwBkVTS5	
frcdWkSwBkVTS6	
frcdWkSwBkVTS7	
frcdWkSwBkVTS8	
frcdWkSwBkVTS9	
frcdWkSwPr	
frcdWkSwPrVTS1	
frcdWkSwPrVTS10	
frcdWkSwPrVTS2	
frcdWkSwPrVTS3	
frcdWkSwPrVTS4	
frcdWkSwPrVTS5	
frcdWkSwPrVTS6	
frcdWkSwPrVTS7	

(7 of 31)

Name	Value
frcdWkSwPrVTS8	
frcdWkSwPrVTS9	
frngSync	
fwPendingObsolete	
fwUpgradePending	
fwVersionNotDefault	
gfpLof	
GFPLOFOUT	
gfpSsf	
gfpUpm	
hdFail	
hdFull	
hiBer	
highGain	
hIdOvrSync	
hpPlmP	
hpRdiP	
hpUneqP	
hwRevisionNotSupported	
igmpSnpgSrcLimitExceed	
imageNotReady	
incompatFan	
inhMsgPmRept	
init	
inMigration	
int	
intErr	
intrusion	
intrusionEvt	
intSft	
intTemp	
intTempHigh	
intTempLow	
intTempOpt	
invalidEgress	
invalidThreshold	
invalidThresholdOms	

(8 of 31)

Name	Value
invalidThresholdOts	
invalidTopo	
inventoryError	
keyDomainErr	
lagDeg	
lagLos	
lagPortAddFailed	
lagSubGrpSelect	
lanLfi	
lanLol	
lanLos	
lanRfi	
lanSf	
laserBackFacetOptPwrTca	
laserCoolingCurTca	
laserEOL	
laserOffLpbk	
lck	
lckOut	
lckTcm	
ledState	
lfd	
lfiEgr	
linkDiviersity	
linkDown	
linkoamLoopDetected	
linkoamNonThresh	
linkoamPeerChng	
linkUp	
loam	
lockedIndicationEgress	
lockoutOfPr	
lockoutOfPrVTS1	
lockoutOfPrVTS10	
lockoutOfPrVTS2	
lockoutOfPrVTS3	
lockoutOfPrVTS4	

(9 of 31)

Name	Value
lockoutOfPrVTS5	
lockoutOfPrVTS6	
lockoutOfPrVTS7	
lockoutOfPrVTS8	
lockoutOfPrVTS9	
lockoutOfTimRef	
lockoutOfTimRefT4	
lockoutToPr	
lof	
lofEgr	
lofLom	
lofLomOut	
lofO	
loGain	
logBuf90SecuLog	
logBufOvflSecuLog	
lol	
lopPauLop	
los	
losDcm	
losEdfa	
losLdSig	
losO	
losOamp	
losOcm	
losOms	
losOOut	
losOts	
losOut	
losP	
losPId	
lossOfLock	
lostClock	
lotOut	
lpbkLine	
lpbkTerm	
lspFailedApe	

(10 of 31)

Name	Value
IspFailedPre	
IspFailedTp	
IspFailedUnprot	
IspFailedXc	
IsrOutDgr	
Iss	
IssEgr	
ItcTcm	
man	
manLR	
manReset	
manSwTimRef	
manSwTimRefT4	
manSwToInt	
manSwToPri	
manSwToSec	
manWkSwBk	
manWkSwBkVTS1	
manWkSwBkVTS10	
manWkSwBkVTS2	
manWkSwBkVTS3	
manWkSwBkVTS4	
manWkSwBkVTS5	
manWkSwBkVTS6	
manWkSwBkVTS7	
manWkSwBkVTS8	
manWkSwBkVTS9	
manWkSwPr	
manWkSwPrVTS1	
manWkSwPrVTS10	
manWkSwPrVTS2	
manWkSwPrVTS3	
manWkSwPrVTS4	
manWkSwPrVTS5	
manWkSwPrVTS6	
manWkSwPrVTS7	
manWkSwPrVTS8	

(11 of 31)

Name	Value
manWkSwPrVTS9	
mepAIS	
mepError	
mepLoc	
mepMacError	
mepMmg	
mepRemote	
mepXcon	
mirrorDestDisable	
mirrorDestEnable	
mirrorSrcDisable	
mirrorSrcEnable	
mismatch	
mismatchFiber	
mismatchSfpXfp	
missing	
mixedPFUsed	
mjTca	
mnTca	
mod	
modOutOOR	
msim	
mtcesurv	
mtcesurvDgr	
neAIs	
neFlt	
neModeMismatch	
net	
netCraft	
neUnreachable	
nkm	
nodeDeg	
notUsed1	
notUsed2	
notUsed3	
notUsed4	
ntpChkSig	

(12 of 31)

Name	Value
ntpClkAdj	
ntpLor	
ntpOoSync	
nunvComm	
nunvConfig	
nunvIndetermined	
nunvReversion	
nunvTpBlocked	
nunvTransmission	
nvMismatch	
oaPumpBiasCurrHigh	
oaPumpTempHigh	
objCreated	
objDeleted	
ochCollision	
ochCollisionOut	
ochFdi	
ochIntErr	
ochKeyDup	
ochKeyOverlap	
ochKeysReused	
ochKeyUnavail	
ochMissing	
ochPdi	
ochPwrUnstable	
ochTrailDup	
ochTrailUnknown	
ochUnknown	
ochUnknownOut	
oci	
ociOut	
ociTcm	
ocsAuditFail	
ocsAuditSuccess	
ocsDataFlt	
ocsDataRtrv	
ocsUnavail	

(13 of 31)

Name	Value
ocsUplinkDeleted	
oduAis	
oduAisEgress	
oduAisOut	
omsSSF	
openConnectionIndicationEgress	
opr	
oprIngress	
oprLossHigh	
oprLossLow	
oprOOR	
oprOut	
oprPwrHigh	
oprPwrLow	
oprTx	
oprUnachieve	
opticalParamErr	
optIntBase	
optIntDet	
optIntSusp	
oscSsf	
OSNRMESC	
ospfAdj	
otmcpf	
otuAis	
ovrId	
payloadTypeMismatchEgress	
pcsGeneratorActive	
pdi	
pdiPauPdi	
PGFPGAFAIL1	
PGFPGAFAIL2	
PGFPGAFAIL3	
PGFPGAFAIL4	
PGFPGAFAIL5	
PGFPGAINIT1	
PGFPGAINIT2	

(14 of 31)

Name	Value
PGFPGAINIT3	
PGFPGAINIT4	
PGFPGAINIT5	
plm	
plmOduOut	
plmPauPlm	
ppsLos	
prcdrErr	
prcdrErrOut	
prcdrErrTopo	
prcdrErrTopoOut	
PTPFREERUN	
PTPGMDEGRADE	
PTPGMSWITCH	
PTPPATHSWITCH	
PTPPORTSWITCH	
PTPREFLOSS	
PTPREFUNSTABLE	
pwr	
pwrAdjComms	
pwrAdjFail	
pwrAdjFailAdd	
pwrAdjFailDrp	
pwrAdjReq	
pwrAdjReqAdd	
pwrAdjReqDrp	
pwrAlmp	
pwrEdfaMargin	
pwrFan	
pwrMargin	
pwrMaxGain	
pwrMgtOff	
pwrSusp	
pwrSuspOut	
pwrTiltParams	
pwrTiltSusp	
pwrUnbalance	

(15 of 31)

Name	Value
pwrUnbalanceOms	
ramanSup	
rcvrOptProg	
rdi	
rdiL	
readyToRevert	
replUnitMiss	
replUnitMissMOD	
reRouted	
restorationDisabled	
rfi	
rfiEgr	
rfiLmsRfi	
rfiPauRfi	
rmdCesChannelLPL	
rmdCesChannelNoTdmPl	
rmdCesChannelRPL	
rmdDiscoveredDevice	
rmdDNR	
rmdEQF	
rmdIfEFMLOP	
rmdIfLOS	
rmdIfMauANM	
rmdIfMauEQF	
rmdIfMauLOS	
rmdIfMauUNI	
rmdIfMauWUP	
rmdJbRecentered	
rmdMepLOC	
rmdMepMMG	
rmdMepRDI	
rmdMepUNL	
rmdMepUNM	
rmdMepUNP	
rmdNDF	
rmdNimLOF	
rmdPWR	

(16 of 31)

42 — Equipment Alarm Profile

Name	Value
rmdTypeMismatch	
rmdUnknownEcid	
rmdWDP	
rmdWrongDestMac	
routeNotPossible	
sapOperDown	
sapStateChng	
sapTlsMacAddrLimitAlarm	
sd	
sdegO	
seepScrub	
serverSignalFailureEgress	
sf	
sfMismatch	
sfpEOL	
sfpReceiverPwrOOR	
sfpTempOOR	
sfpTrmtPwrOOR	
sft	
shelfInVoltHigh	
shelfInVoltLow	
signalDegradeEgress	
SLCBOOTCONTCOM	
SLCCARDINIT	
SLCCLKSYNC	
SLCCONTCOM	
SLCDATAFLT	
SLCEQPTBOOT	
SLCMISMATCH	
SLCNOTINSERVICE	
slcr	
sltmSig	
spLoAdjFail	
srgDiviersity	
srTca	
ssf	
ssfCltEgr	

(17 of 31)

Name	Value
ssfOdu	
ssfOduOut	
ssfOduTp	
ssfOtu	
SSFSECTION	
SSFSECTIONOUT	
ssfTcm	
subNodeUnreachable	
svcOperDown	
svcStateChng	
svcTlsFwdTblFullAlarm	
svcTlsMfibTblFullAlarm	
swEqpt	
swftDwn	
swMtxMod	
swToSec	
swUpgCommit	
swUpgFail	
swUpgrade	
sync	
syncActRef	
syncClk	
syncClkFail	
syncClkFrng	
syncClkHldovr	
syncClkMode	
syncClkUnit	
syncCommand	
syncEqpt	
syncIfTimingHoldover	
syncIfTimingRef1Alarm	
syncIfTimingRef2Alarm	
SYNCLOSS	
syncMode	
syncOos	
syncOosT4	
syncRefFail	

(18 of 31)

Name	Value
syncRefUnEq	
syncStatChng	
syncSys	
syncSysOos	
syncT4Out	
sysBoot	
sysInit	
systemReady	
tBbeMs15Min	
tBbeMs1Day	
tBbeOdu15Min	
tBbeOdu15MinOut	
tBbeOdu1Day	
tBbeOdu1DayOut	
tBbeOtu15Min	
tBbeOtu1Day	
tBbeP15Min	
tBbeP1Day	
tBbePt15Min	
tBbePt1Day	
tBbeRs15Min	
tBbeRs1Day	
tBbeRst15Min	
tBbeRst1Day	
tBbeTcm15Min	
tBbeTcm1Day	
tBerPostFec15min	
tBerPostFec1day	
tBerPreFec15min	
tBerPreFec1day	
tBiaesOtu15Min	
tBiaesOtu1Day	
tBiaesTcm15Min	
tBiaesTcm1Day	
tcmAis	
tCv15Min	
tCv1Day	

(19 of 31)

Name	Value
tCvPcs15Min	
tCvPcs1Day	
tCvPcst15Min	
tCvPcst1Day	
tCvs15Min	
tCvs1Day	
tCvst15Min	
tCvst1Day	
termOc192stm64	
termOc312stm14	
termOc48stm16	
termOtu1	
termOtu2	
tEs15Min	
tEs1Day	
tEsL15Min	
tEsL1Day	
tEsMs15Min	
tEsMs1Day	
tEsOdu15Min	
tEsOdu15MinOut	
tEsOdu1Day	
tEsOdu1DayOut	
tEsOtu15Min	
tEsOtu1Day	
tEsP15Min	
tEsP1Day	
tEsPcs15Min	
tEsPcs1Day	
tEsPcst15Min	
tEsPcst1Day	
tEsPt15Min	
tEsPt1Day	
tEsRs15Min	
tEsRs1Day	
tEsRst15Min	
tEsRst1Day	

(20 of 31)

42 — Equipment Alarm Profile

Name	Value
tEss15Min	
tEss1Day	
tEsst15Min	
tEsst1Day	
tEsTcm15Min	
tEsTcm1Day	
testMode	
tEthpkter15Min	
tEthpkter1Day	
tEthpktert15Min	
tEthpktert1Day	
tFebbeMs15Min	
tFebbeMs1Day	
tFebbeOdu15Min	
tFeBbeOdu15MinOut	
tFebbeOdu1Day	
tFeBbeOdu1DayOut	
tFebbeOtu15Min	
tFebbeOtu1Day	
tFebbeTcm15Min	
tFebbeTcm1Day	
tFecc15Min	
tFecc1Day	
tFecUbc15Min	
tFecUbc1Day	
tFecUbu15Min	
tFecUbu1Day	
tFeesMs15Min	
tFeesMs1Day	
tFeesOdu15Min	
tFeEsOdu15MinOut	
tFeesOdu1Day	
tFeEsOdu1DayOut	
tFeesOtu15Min	
tFeesOtu1Day	
tFeesTcm15Min	
tFeesTcm1Day	

(21 of 31)

Name	Value
tFesesMs15Min	
tFesesMs1Day	
tFesesOdu15Min	
tFeSesOdu15MinOut	
tFesesOdu1Day	
tFeSesOdu1DayOut	
tFesesOtu15Min	
tFesesOtu1Day	
tFesesTcm15Min	
tFesesTcm1Day	
tFeuasMs15Min	
tFeuasMs1Day	
tFeuasOdu15Min	
tFeUasOdu15MinOut	
tFeuasOdu1Day	
tFeUasOdu1DayOut	
tFeuasOtu15Min	
tFeuasOtu1Day	
tFeuasTcm15Min	
tFeuasTcm1Day	
tIaesOtu15Min	
tIaesOtu1Day	
tIaesTcm15Min	
tIaesTcm1Day	
tim	
timOdu	
timOduOut	
timTcm	
toDDEG	
toDLOS	
TODREFUNSTABLE	
tOprh15Min	
tOprh1Day	
tOprhLane1	
tOprhLane10	
tOprhLane2	
tOprhLane3	

(22 of 31)

42 — Equipment Alarm Profile

Name	Value
tOprhLane4	
tOprhLane5	
tOprhLane6	
tOprhLane7	
tOprhLane8	
tOprhLane9	
tOprl15Min	
tOprl1Day	
tOprlLane1	
tOprlLane10	
tOprlLane2	
tOprlLane3	
tOprlLane4	
tOprlLane5	
tOprlLane6	
tOprlLane7	
tOprlLane8	
tOprlLane9	
tOpth15Min	
tOpth1Day	
tOpthLane1	
tOpthLane10	
tOpthLane2	
tOpthLane3	
tOpthLane4	
tOpthLane5	
tOpthLane6	
tOpthLane7	
tOpthLane8	
tOpthLane9	
tOptl15Min	
tOptl1Day	
tOptlLane1	
tOptlLane10	
tOptlLane2	
tOptlLane3	
tOptlLane4	

(23 of 31)

Name	Value
tOptILane5	
tOptILane6	
tOptILane7	
tOptILane8	
tOptILane9	
tPmonDmaBfd15Min	
tPmonDmaBfd1Day	
tPmonDmaffd15Min	
tPmonDmaffd1Day	
tPmonDmafFdv15Min	
tPmonDmafFdv1Day	
tPmonDmanfd15Min	
tPmonDmanfd1Day	
tPmonDmanFdv15Min	
tPmonDmanFdv1Day	
tPmonDmxBfd15Min	
tPmonDmxBfd1Day	
tPmonDmxffd15Min	
tPmonDmxffd1Day	
tPmonDmxfFdv15Min	
tPmonDmxfFdv1Day	
tPmonDmxnfd15Min	
tPmonDmxnfd1Day	
tPmonDmxnFdv15Min	
tPmonDmxnFdv1Day	
tPmonLmafflr15Min	
tPmonLmafflr1Day	
tPmonLmanflr15Min	
tPmonLmanflr1Day	
tPmonLmfhIi15Min	
tPmonLmfhIi1Day	
tPmonLmnhIi15Min	
tPmonLmnhIi1Day	
tPmonLmxfflr15Min	
tPmonLmxfflr1Day	
tPmonLmxnflr15Min	
tPmonLmxnflr1Day	

(24 of 31)

Name	Value
tPmonPortHighCapacityOctets15Min	
tPmonPortHighCapacityOctets1Day	
tPmonPortHighCapacityPkts15Min	
tPmonPortHighCapacityPkts1Day	
tPmonPortIfInDiscards15Min	
tPmonPortIfInDiscards1Day	
tPmonPortIfInErrors15Min	
tPmonPortIfInErrors1Day	
tPmonPortIfInOctets15Min	
tPmonPortIfInOctets1Day	
tPmonPortIfInPackets	
tPmonPortIfInPackets15Min	
tPmonPortIfOutDiscards15Min	
tPmonPortIfOutDiscards1Day	
tPmonPortIfOutErrors15Min	
tPmonPortIfOutErrors1Day	
tPmonPortIfOutOctets15Min	
tPmonPortIfOutOctets1Day	
tPmonPortIfOutPackets15Min	
tPmonPortIfOutPackets1Day	
tPmonPortQueue1OctetsDropped15Min	
tPmonPortQueue1OctetsDropped1Day	
tPmonPortQueue1PktsDropped15Min	
tPmonPortQueue1PktsDropped1Day	
tPmonPortQueue2OctetsDropped15Min	
tPmonPortQueue2OctetsDropped1Day	
tPmonPortQueue2PktsDropped15Min	
tPmonPortQueue2PktsDropped1Day	
tPmonPortQueue3OctetsDropped15Min	
tPmonPortQueue3OctetsDropped1Day	
tPmonPortQueue3PktsDropped15Min	
tPmonPortQueue3PktsDropped1Day	
tPmonPortQueue4OctetsDropped15Min	
tPmonPortQueue4OctetsDropped1Day	
tPmonPortQueue4PktsDropped15Min	
tPmonPortQueue4PktsDropped1Day	
tPmonPortQueue5OctetsDropped15Min	

(25 of 31)

Name	Value
tPmonPortQueue5OctetsDropped1Day	
tPmonPortQueue5PktsDropped15Min	
tPmonPortQueue5PktsDropped1Day	
tPmonPortQueue6OctetsDropped15Min	
tPmonPortQueue6OctetsDropped1Day	
tPmonPortQueue6PktsDropped15Min	
tPmonPortQueue6PktsDropped1Day	
tPmonPortQueue7OctetsDropped15Min	
tPmonPortQueue7OctetsDropped1Day	
tPmonPortQueue7PktsDropped15Min	
tPmonPortQueue7PktsDropped1Day	
tPmonPortQueue8OctetsDropped15Min	
tPmonPortQueue8OctetsDropped1Day	
tPmonPortQueue8PktsDropped15Min	
tPmonPortQueue8PktsDropped1Day	
tPmonSapIngressOctetsDropped15Min	
tPmonSapIngressOctetsDropped1Day	
tPmonSapIngressPktsDropped15Min	
tPmonSapIngressPktsDropped1Day	
tPmonSImaffIr15Min	
tPmonSImafFIr1Day	
tPmonSImaffIrContinuous	
tPmonSImanfIr15Min	
tPmonSImanFIr1Day	
tPmonSImanfIrContinuous	
tPmonSImfhIi15Min	
tPmonSImfhIi1Day	
tPmonSImfhIiContinuous	
tPmonSImnhIi15Min	
tPmonSImnhIi1Day	
tPmonSImnhIiContinuous	
tPmonSImxfFIr1Day	
tPmonSImxffIrContinuous	
tPmonSImxnFIr1Day	
tPmonSImxnfIrContinuous	
tPostFec15Min	
tPostFec1Day	

(26 of 31)

Name	Value
tPreFec15Min	
tPreFec1Day	
trailTraceIdentifierMismatchEgress	
transferLogFL	
transferLogFT	
transferLogIP	
trmt	
trmtMOD	
TRUBRKROPEN	
tSefs15Min	
tSefs1Day	
tSefsPcs15Min	
tSefsPcs1Day	
tSefsPcst15Min	
tSefsPcst1Day	
tSefss15Min	
tSefss1Day	
tSefsst15Min	
tSefsst1Day	
tSes15Min	
tSes1Day	
tSesL15Min	
tSesL1Day	
tSesMs15Min	
tSesMs1Day	
tSesOdu15Min	
tSesOdu15MinOut	
tSesOdu1Day	
tSesOdu1DayOut	
tSesOtu15Min	
tSesOtu1Day	
tSesP15Min	
tSesP1Day	
tSesPcs15Min	
tSesPcs1Day	
tSesPcst15Min	
tSesPcst1Day	

(27 of 31)

Name	Value
tSesPt15Min	
tSesPt1Day	
tSesRs15Min	
tSesRs1Day	
tSesRst15Min	
tSesRst1Day	
tSess15Min	
tSess1Day	
tSesst15Min	
tSesst1Day	
tSesTcm15Min	
tSesTcm1Day	
tsMismatch	
tsMismatchOut	
tUasMs15Min	
tUasMs1Day	
tUasOdu15Min	
tUasOdu15MinOut	
tUasOdu1Day	
tUasOdu1DayOut	
tUasOtu15Min	
tUasOtu1Day	
tUasP15Min	
tUasP1Day	
tUasPt15Min	
tUasPt1Day	
tUasRs15Min	
tUasRs1Day	
tUasRst15Min	
tUasRst1Day	
tUasTcm15Min	
tUasTcm1Day	
unexWkSet	
unknown	
unknownNotif	
unknownSfpXfp	
unL	

(28 of 31)

42 — Equipment Alarm Profile

Name	Value
unM	
unMOrUnP	
unP	
unPr	
upm	
uruOchLos	
uruOmsRx	
uruOmsTx	
uruOtsLos	
uruOtsRx	
uruOtsTx	
uruOtu	
uruS	
usAis	
usAIs	
userEqptMismatch	
usFlt	
usIdle	
usLos	
usOchCollision	
usSFEber	
vcgDown	
vcgLoa	
vcgMap	
vcgSsf	
vcMfi	
voltage	
voltageHigh	
voltageLow	
vtsConnCreation	
vtsFdi	
vtsFdi1	
vtsFdi10	
vtsFdi11	
vtsFdi12	
vtsFdi13	
vtsFdi14	

(29 of 31)

Name	Value
vtsFdi15	
vtsFdi16	
vtsFdi17	
vtsFdi18	
vtsFdi19	
vtsFdi2	
vtsFdi20	
vtsFdi21	
vtsFdi22	
vtsFdi23	
vtsFdi24	
vtsFdi25	
vtsFdi26	
vtsFdi27	
vtsFdi28	
vtsFdi29	
vtsFdi3	
vtsFdi30	
vtsFdi31	
vtsFdi32	
vtsFdi4	
vtsFdi5	
vtsFdi6	
vtsFdi7	
vtsFdi8	
vtsFdi9	
vtsOci	
vtsOci1	
vtsOci10	
vtsOci11	
vtsOci12	
vtsOci13	
vtsOci14	
vtsOci15	
vtsOci16	
vtsOci17	
vtsOci18	

(30 of 31)

Name	Value
vtsOci19	
vtsOci2	
vtsOci20	
vtsOci21	
vtsOci22	
vtsOci23	
vtsOci24	
vtsOci25	
vtsOci26	
vtsOci27	
vtsOci28	
vtsOci29	
vtsOci3	
vtsOci30	
vtsOci31	
vtsOci32	
vtsOci4	
vtsOci5	
vtsOci6	
vtsOci7	
vtsOci8	
vtsOci9	
warnTca	
wkSwBk	
wkSwPr	
wkSwPrVTS1	
wkSwPrVTS10	
wkSwPrVTS2	
wkSwPrVTS3	
wkSwPrVTS4	
wkSwPrVTS5	
wkSwPrVTS6	
wkSwPrVTS7	
wkSwPrVTS8	
wkSwPrVTS9	
wtocmaPoutRanOsnr	
wtr	

(31 of 31)

Table 42-4 Default Severity

Name	Value
Displayed name	Default Severity
OSS name	defaultSeverity
Type	optical.TrapCategory
Mandatory on creation	yes
Tab|Panel	General|General
Description	Default severity
Enumerated types	
Critical	
General Event	
Major	
Minor	
None	
Not Alarmed	
Not Reported	
Security	
State Change	
Unknown	
Warning	

Table 42-5 Override Severity

Name	Value
Displayed name	Override Severity
OSS name	severity
Type	optical.TrapCategory
Tab|Panel	General|General
Description	Override severity
Enumerated types	
Critical	
General Event	
Major	
Minor	
None	
Not Alarmed	
Not Reported	

(1 of 2)

42 — Equipment Alarm Profile

Name	Value
Security	
State Change	
Unknown	
Warning	

(2 of 2)

43 — EthernetCtp

Table 43-1 EthernetCtp parameters

Parameters	
Assigned Rate	Site ID
CE-VLAN ID	Site Name
Ctp ID	S-VLAN ID
Layer Type	VTS Direction
Name	

Table 43-2 Assigned Rate

Name	Value
Displayed name	Assigned Rate
OSS name	assignedRate
Type	optical.AssignedRate
Tab|Panel	General|General
Description	The assigned rate - OTU1, GigE, OC3…
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	

(1 of 3)

Name	Value
DCN	
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	

(2 of 3)

Name	Value
ONETRU	
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 43-3 CE-VLAN ID

Name	Value
Displayed name	CE-VLAN ID
OSS name	ceVlan
Type	STRING
Tab|Panel	General|General
Description	CE-VLANID string indicates the CE-VLANID or CE-VLANID ranges, separated by comma. Example: 1,5,1-100. Current configurable range: 1 to 4095, ALL.

Table 43-4 Ctp ID

Name	Value
Displayed name	Ctp ID
OSS name	ctpId
Type	INT
Minimum	1
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the Ctp.

Table 43-5 Layer Type

Name	Value
Displayed name	Layer Type
OSS name	layerType
Type	optical.LayerType
Tab|Panel	General|General
Description	The layer type - OCH, OTU, ODU, Electrical…
Enumerated types	
Client	
Ethernet	
High Order ODU	
Low Order ODU	
OCH	
ODU	
OTU	

Table 43-6 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|General

(2 of 2)

Table 43-7 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 43-8 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 43-9 S-VLAN ID

Name	Value
Displayed name	S-VLAN ID
OSS name	sVlan
Type	LONG
Minimum	0
Maximum	4095
Default	0
Tab|Panel	General|General
Description	S-VLANID string indicates the S-VLANID on Line Port Current configurable range: 1 to 4095.

Table 43-10 VTS Direction

Name	Value
Displayed name	VTS Direction
OSS name	vtsDirection
Type	optical.VTSDirection
Tab|Panel	General|General
Description	If Direction = Egress, an entry is made in the tnEgressVtsMap table/tnEgressVtsCmodeMap Table. If Direction = Ingress, an entry is made in the tnIngressVtsMaptable/tnIngressVtsCmodeMap Table. If Direction = Ingress and Egress, an entry is made in the tnVtsMapTable OR On Both tnIngressVtsCmodeMapTable and tnEgressVtsCmodeMapTable.
Enumerated types	
Egress	
Ingress	
Ingress and Egress	

44 — Ethernet Port

Table 44-1 Ethernet Port parameters

Parameters	
Actual Duplex	Down When Looped
Actual Duplex	Down When Looped Status
Advertised Capability	Duplex
Advertised Capability	Duplex(Actual)
Aggregate Rate Limit	Egress CIR
Authenticate	Egress Enabled
Auto-negotiate	Egress Max-Burst
Broadcast Frame Rate	Egress Max Burst Rate
Broadcast Limit	Egress Rate
CFM LoopBack Mode	Egress Scheduler Mode
CFM LoopBack VLAN Range	Egress Unshaped SAP CIR
Connector Type	Enable
CRC SD Threshold	Enable Broadcast Limit Mode
CRC SD Threshold Multiplier	Enable Multicast Limit Mode
CRC SF Threshold	Enable Port Mobility
CRC SF Threshold Multiplier	Enable Unknown Unicast Limit Mode
Default VLAN	Ethernet Down Reason
Default VLAN Enable	Ignore BPDU
Default VLAN Restore	Ingress CBS
Destination MAC Address	Ingress CIR
Detection	Ingress Enabled
Detection Status	Ingress Filtering
Dot1 Q Acceptable Frames	Ingress Max Burst Rate
Dot1 Q Ethertype	Ingress Rate
Down on Internal MAC Tx Error	Inter-Frame Gap

(1 of 2)

Parameters	
IP MTU	Single Fiber
Keep-Alive Interval (Sec)	Site ID
LACP Tunnel	Source MAC Address
Loopback Messages Dropped	Src Pause
Loopback Messages Received	SSM Code-Type
Loopback Reply Transmitted	Status Counter (N393)
MDI/MDX	S-VLAN TPID
Minimum Frame Length	Swap Mac Address
Multicast Frame Rate	Synchronous Ethernet Capability
Multicast Limit	Synchronous Status Messages
Operational Flow	Time
Operational State	Time Remaining
Oper Physical Tx Clock	Timestamp Capable
Outstanding Alarms	Transmitted Quality Level
PBB Ethertype	Tx DUS/DNU
Persistent Loopback	Type
Phy Tx Clock	Type
Polling Timer UNI-C (T391)	Type
Polling Verification Timer (T392)	Type
Port Clock Mode	UNI Identifier
Port ID	UNI Mode
Port Name	UNI Priority
Protocols	UNI Type
Provider Brigde Type	Unknown Unicast Frame Rate
PTP Asymmetry	Unknown Unicast Limit
Q in Q Ethertype	Untag C-VLAN
Received Quality Level	Use Broadcast Address
Report Alarms	Vlan Filter
Retry Timeout (Sec)	Window Size
SAP	XGig Mode

(2 of 2)

Table 44-2 Actual Duplex

Name	Value
Displayed name	Actual Duplex
OSS name	actualDuplex
Type	ethernetequipment.AdverCapability
Default	10 Mb/s - Half-Duplex
Read-only	yes
Tab|Panel	Ethernet|Advertised Capability With AutoNegotiate Disabled
Enumerated types	
10 Mb/s - Full-Duplex	
100 Mb/s - Full-Duplex	

(1 of 2)

Name	Value
1000 Mb/s - Full-Duplex	
10 Mb/s - Half-Duplex	
100 Mb/s - Half-Duplex	
No Link	
0	

(2 of 2)

Table 44-3 Actual Duplex

Name	Value
Displayed name	Actual Duplex
OSS name	actualDuplex
Type	ethernetequipment.AdverCapability
Default	10 Mb/s - Half-Duplex
Read-only	yes
Tab|Panel	Ethernet|Advertised Capability With AutoNegotiate Enabled
Enumerated types	
10 Mb/s - Full-Duplex	
100 Mb/s - Full-Duplex	
1000 Mb/s - Full-Duplex	
10 Mb/s - Half-Duplex	
100 Mb/s - Half-Duplex	
No Link	
0	

Table 44-4 Advertised Capability

Name	Value
Displayed name	Advertised Capability
OSS name	addressedCapability
Type	ethernetequipment.MPR_AutoAddrCapability
Default	0
Tab|Panel	Ethernet|Advertised Capability With AutoNegotiate Enabled
Description	BITS { bOther (0) , b10baseT (1) , b10baseTFD (2) , b100baseT4 (3) , b100baseTX (4) , b100baseTXFD (5) , b100baseT2 (6) , b100baseT2FD (7) , bfdxPause (8) , bfdxAPause (9) , bfdxSPause (10) , bfdxBPause (11) , b1000baseX (12) , b1000baseXFD (13) , b1000baseT (14) , b1000baseTFD (15) }
Enumerated types	

(1 of 2)

Name	Value
10 Mb/s - Full-Duplex	
100 Mb/s - Full-Duplex	
1000 Mb/s - Full-Duplex	
Flow Control	
10 Mb/s - Half-Duplex	
100 Mb/s - Half-Duplex	

(2 of 2)

Table 44-5 Advertised Capability

Name	Value
Displayed name	Advertised Capability
OSS name	advertisedCapability
Type	ethernetequipment.AdverCapability
Default	10 Mb/s - Half-Duplex
Tab|Panel	Ethernet|Advertised Capability With AutoNegotiate Disabled
Enumerated types	
10 Mb/s - Full-Duplex	
100 Mb/s - Full-Duplex	
1000 Mb/s - Full-Duplex	
10 Mb/s - Half-Duplex	
100 Mb/s - Half-Duplex	
No Link	
0	

Table 44-6 Aggregate Rate Limit

Name	Value
Displayed name	Aggregate Rate Limit
OSS name	aggregateRateLimit
Type	INT
Minimum	-1
Maximum	100000000
Default	-1
Units	kbps
Mandatory on creation	no

(1 of 2)

Name	Value
Tab|Panel	Ethernet|General
Description	The value of tmnxPortEtherNwAggRateLimit in kbps is used to cap network traffic on a hybrid port.

(2 of 2)

Table 44-7 Authenticate

Name	Value
Displayed name	Authenticate
OSS name	mobilePortAuthenticate
Type	ethernetequipment.MobilePortAuthType
Default	Disable
Tab|Panel	Ethernet|Port Mobility
Enumerated types	
Disable	
Enable 802.1x	
Enable Auth VLAN	
Not Applicable	

Table 44-8 Auto-negotiate

Name	Value
Displayed name	Auto-negotiate
OSS name	autoNegotiate
Type	INT
Default	true
Tab|Panel	Ethernet|General

Table 44-9 Broadcast Frame Rate

Name	Value
Displayed name	Broadcast Frame Rate
OSS name	broadcastFrameRate
Type	LONG
Minimum	0
Maximum	16777215

(1 of 2)

Name	Value
Default	100
Units	framesec
Tab|Panel	Ethernet|Storm Control
Description	This attribute is applicable to MPR 9500. This attribute carries out 'on per port basis' ingress admitted broadcast traffic rate (the threshold value of broadcast traffic rate as admitted on this ingress interface). This value is requested to trigger discarding of NE generated broadcast traffic on this ingress interface and is minor or equal to that specified in ifSpeed for this interface.

(2 of 2)

Table 44-10 Broadcast Limit

Name	Value
Displayed name	Broadcast Limit
OSS name	broadcastLimit
Type	LONG
Minimum	-1
Maximum	102400
Default	-1
Units	kbps
Mandatory on creation	no
Tab|Panel	Ethernet|Flow Control
Description	The broadcast limit in Kilo-bits per second. This protects the switch against massive reception of broadcast (and multicast) packets. A value of -1 signified no broadcast limit.

Table 44-11 CFM LoopBack Mode

Name	Value
Displayed name	CFM LoopBack Mode
OSS name	cfmlbMode
Type	ethernetequipment.LoopBackCfmlbMode
Default	Disabled
Tab|Panel	Ethernet|General
Enumerated types	
Disabled	
Priority-Dot1p	
Priority-High	
Priority-Low	

Table 44-12 CFM LoopBack VLAN Range

Name	Value
Displayed name	CFM LoopBack VLAN Range
OSS name	cfmlbVlanList
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	Ethernet|General
Description	specifies the list of Vlan Ids to be enabled for CFM loopback when cfmlbMode is priority-dot1p.

Table 44-13 Connector Type

Name	Value
Displayed name	Connector Type
OSS name	etherConnectorType
Type	ethernetequipment.EtherConnectorType
Default	SFP
Tab|Panel	Ethernet|General
Description	Specifies whether the ethernet physical interface is in SFP or RJ45.
Enumerated types	
RJ-45	
SFP	

Table 44-14 CRC SD Threshold

Name	Value
Displayed name	CRC SD Threshold
OSS name	sdThreshold
Type	INT
Minimum	0
Maximum	9
Default	0
Tab|Panel	Ethernet|CRC Failure

(1 of 2)

Name	Value
Description	The value of sdThreshold specifies a packet error rate threshold used to determine when to send a tmnxEqPortEtherCrcAlarm notification for a CRC Signal Degradation (SD) failure and tmnxEqPortEtherCrcAlarmClear notification for a CRC SD failure clear. The CRC SD error rate threshold is calculated as: sdThresholdMultiplier * 10e-sdThreshold.

(2 of 2)

Table 44-15 CRC SD Threshold Multiplier

Name	Value
Displayed name	CRC SD Threshold Multiplier
OSS name	sdThresholdMultiplier
Type	INT
Minimum	1
Maximum	9
Default	1
Tab|Panel	Ethernet|CRC Failure
Description	The value of sdThresholdMultiplier specifies the sdThreshold multiplier.

Table 44-16 CRC SF Threshold

Name	Value
Displayed name	CRC SF Threshold
OSS name	sfThreshold
Type	INT
Minimum	0
Maximum	9
Default	0
Tab|Panel	Ethernet|CRC Failure
Description	The value of sfThreshold specifies a packet error rate threshold used to determine when to send a tmnxEqPortEtherCrcAlarm notification for a CRC Signal Failure (SF) failure and tmnxEqPortEtherCrcAlarmClear notification for a CRC SF failure clear. The CRC SF error rate threshold is calculated as: sfThresholdMultiplier * 10e-sfThreshold.

Table 44-17 CRC SF Threshold Multiplier

Name	Value
Displayed name	CRC SF Threshold Multiplier

(1 of 2)

Name	Value
OSS name	sfThresholdMultiplier
Type	INT
Minimum	1
Maximum	9
Default	1
Tab|Panel	Ethernet|CRC Failure
Description	The value of sfThresholdMultiplier specifies the sfThreshold multiplier.

(2 of 2)

Table 44-18 Default VLAN

Name	Value
Displayed name	Default VLAN
OSS name	mobilePortCfgDefVlan
Type	INT
Read-only	yes
Tab|Panel	Ethernet|Port Mobility

Table 44-19 Default VLAN Enable

Name	Value
Displayed name	Default VLAN Enable
OSS name	defaultVlanEnable
Type	ethernetequipment.MobilePortType
Default	Not Applicable
Tab|Panel	Ethernet|Port Mobility
Enumerated types	
Disable	
Enable	
Not Applicable	

Table 44-20 Default VLAN Restore

Name	Value
Displayed name	Default VLAN Restore
OSS name	defaultVlanRestore

(1 of 2)

Name	Value
Type	ethernetequipment.MobilePortType
Default	Not Applicable
Tab|Panel	Ethernet|Port Mobility
Enumerated types	
Disable	
Enable	
Not Applicable	

(2 of 2)

Table 44-21 Destination MAC Address

Name	Value
Displayed name	Destination MAC Address
OSS name	dstMacAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	Ethernet|Timed Loopback|MAC

Table 44-22 Detection

Name	Value
Displayed name	Detection
OSS name	mdiMdixCrossoverDetection
Type	INT
Default	0
Mandatory on creation	no
Tab|Panel	Ethernet|MDI/MDIX Crossover
Description	Enabling crossover detection allows the interconnection of any combination of MDI/MDIX ports using either type of cable.

Table 44-23 Detection Status

Name	Value
Displayed name	Detection Status
OSS name	mdiMdixCrossoverDetectionStatus
Type	ethernetequipment.MdiMdixCrossoverStatus

(1 of 2)

Name	Value
Default	3
Read-only	yes
Tab|Panel	Ethernet|MDI/MDIX Crossover
Description	The operational status of MDI/MDIX crossover detection. See {code}mdiMdixCrossoverDetection{/code}.
Enumerated types	
MDI	
MDIX	

(2 of 2)

Table 44-24 Dot1 Q Acceptable Frames

Name	Value
Displayed name	Dot1 Q Acceptable Frames
OSS name	dot1qAcceptableFrameTypes
Type	INT
Default	admitAll
Mandatory on creation	no
Tab|Panel	Ethernet|General

Table 44-25 Dot1 Q Ethertype

Name	Value
Displayed name	Dot1 Q Ethertype
OSS name	dot1qEtype
Type	INT
Minimum	1536
Maximum	65535
Default	33024
Mandatory on creation	no
Tab|Panel	Ethernet|General

Table 44-26 Down on Internal MAC Tx Error

Name	Value
Displayed name	Down on Internal MAC Tx Error

(1 of 2)

Name	Value
OSS name	downOnInternalError
Type	generic.EnabledDisabled
Default	Disabled
Tab|Panel	Ethernet|General
Description	The value of downOnInternalError specifies whether or not the port is monitored for excessive internal MAC tx errors.
Enumerated types	
Disabled	
Enabled	

(2 of 2)

Table 44-27 Down When Looped

Name	Value
Displayed name	Down When Looped
OSS name	downWhenLooped
Type	ethernetequipment.DownWhenLoopedType
Default	Disabled
Tab|Panel	Ethernet|General
Enumerated types	
Disabled	
Enabled	

Table 44-28 Down When Looped Status

Name	Value
Displayed name	Down When Looped Status
OSS name	downWhenLoopedState
Type	ethernetequipment.DownWhenLoopedState
Default	No Loop Detected
Tab|Panel	Ethernet|Down When Looped Configuration
Enumerated types	
Loop Detected	
No Loop Detected	

Table 44-29 Duplex

Name	Value
Displayed name	Duplex
OSS name	duplex
Type	INT
Default	1
Mandatory on creation	no
Tab|Panel	Ethernet|General
Description	duplex is ignored if autoNegotiate is set to true. Some combinations of speed and duplex are invalid, for instance when speed=1000 and duplex=halfDuplex.

Table 44-30 Duplex(Actual)

Name	Value
Displayed name	Duplex(Actual)
OSS name	operationalDuplex
Type	INT
Default	0
Read-only	yes
Mandatory on creation	no
Tab|Panel	Ethernet|General

Table 44-31 Egress CIR

Name	Value
Displayed name	Egress CIR
OSS name	egressCir
Type	INT
Minimum	0
Maximum	16777152
Default	64
Units	Kbps
Step	64
Tab|Panel	Ethernet|Port Rate Limiter
Description	This attribute is applicable to MPR 9500 only. This attribute carries out the egress shaping rate (sustained rate permitted by egress traffic shaping) in kbit/sec.

Table 44-32 Egress Enabled

Name	Value
Displayed name	Egress Enabled
OSS name	egressEnabled
Type	BOOL
Default	false
Tab|Panel	Ethernet|Port Rate Limiter
Description	This attribute is applicable to MPR 9500. This is used for enabling the egress port rate limiting.

Table 44-33 Egress Max-Burst

Name	Value
Displayed name	Egress Max-Burst
OSS name	egressMaxBurst
Type	INT
Minimum	-1
Maximum	16384
Default	-1
Tab|Panel	Ethernet|Egress Rate

Table 44-34 Egress Max Burst Rate

Name	Value
Displayed name	Egress Max Burst Rate
OSS name	egressCommitedMaxBurst
Type	INT
Minimum	0
Maximum	16000
Default	12
Units	Kbytes
Step	4
Tab|Panel	Ethernet|Port Rate Limiter
Description	This attribute is applicable to MPR 9500 only. This attribute carries out the burst egress shaping size (amount of traffic in excess of egress shaping rate) in bytes.

Table 44-35 Egress Rate

Name	Value
Displayed name	Egress Rate
OSS name	egressRate
Type	INT
Minimum	-1
Maximum	100000000
Default	-1
Units	kbps
Mandatory on creation	no
Tab|Panel	Ethernet|Egress Rate

Table 44-36 Egress Scheduler Mode

Name	Value
Displayed name	Egress Scheduler Mode
OSS name	egressSchedulerMode
Type	ethernetequipment.EgressSchedulerMode
Default	Profile
Tab|Panel	Ethernet|General
Enumerated types	
FC Based	
Four-Priority	
Profile	
SAP Based	
Sixteen-Priority	

Table 44-37 Egress Unshaped SAP CIR

Name	Value
Displayed name	Egress Unshaped SAP CIR
OSS name	egressUnshapedSapCir
Type	INT
Minimum	-1
Maximum	10000000
Default	-1

(1 of 2)

Name	Value
Units	kbps
Mandatory on creation	no
Tab|Panel	Ethernet|Egress Rate
Description	Specifies the egress CIR that the ethernet port can generate.

(2 of 2)

Table 44-38 Enable

Name	Value
Displayed name	Enable
OSS name	stormControl
Type	BOOL
Default	false
Tab|Panel	Ethernet|Storm Control
Description	This attribute is applicable to MPR 9500. This attribute is for enabling storm control.

Table 44-39 Enable Broadcast Limit Mode

Name	Value
Displayed name	Enable Broadcast Limit Mode
OSS name	enableBroadcastLimitMode
Type	generic.TruthValue
Tab|Panel	Ethernet|Flow Control
Description	Enable/disable the maximum flood rate for broadcast traffic

Table 44-40 Enable Multicast Limit Mode

Name	Value
Displayed name	Enable Multicast Limit Mode
OSS name	enableMulticastLimitMode
Type	generic.TruthValue
Tab|Panel	Ethernet|Flow Control
Description	Enable/disable the maximum flood rate for multicast traffic

Table 44-41 Enable Port Mobility

Name	Value
Displayed name	Enable Port Mobility
OSS name	enablePortMobility
Type	generic.TruthValue
Tab|Panel	Ethernet|General

Table 44-42 Enable Unknown Unicast Limit Mode

Name	Value
Displayed name	Enable Unknown Unicast Limit Mode
OSS name	enableUUnicastLimitMode
Type	generic.TruthValue
Tab|Panel	Ethernet|Flow Control
Description	Enable/disable the maximum flood rate for unknown unicast traffic

Table 44-43 Ethernet Down Reason

Name	Value
Displayed name	Ethernet Down Reason
OSS name	ethernetDownReason
Type	ethernetequipment.EtherStatusBitMap
Default	0
Tab|Panel	Ethernet|General
Enumerated types	
Link Loss Forwarding	
No Service Port	
Unknown	

Table 44-44 Ignore BPDU

Name	Value
Displayed name	Ignore BPDU
OSS name	mobilePortIgnoreBPDU
Type	ethernetequipment.MobilePortType

(1 of 2)

Name	Value
Default	Not Applicable
Tab|Panel	Ethernet|Port Mobility
Enumerated types	
Disable	
Enable	
Not Applicable	

(2 of 2)

Table 44-45 Ingress CBS

Name	Value
Displayed name	Ingress CBS
OSS name	ingressCbs
Type	INT
Minimum	1
Maximum	130816
Default	130816
Tab|Panel	Ethernet|Ingress Rate

Table 44-46 Ingress CIR

Name	Value
Displayed name	Ingress CIR
OSS name	ingressCir
Type	INT
Minimum	0
Maximum	16777152
Default	64
Units	Kbps
Step	64
Tab|Panel	Ethernet|Port Rate Limiter
Description	This attribute is applicable to MPR 9500. This attribute carries out the rate limiting functionality. ifSpeed value means that the rate limitation of the interface is disabled. The value can be expressed in kbit/s NE dependent

Table 44-47 Ingress Enabled

Name	Value
Displayed name	Ingress Enabled
OSS name	ingressEnabled
Type	BOOL
Default	false
Tab|Panel	Ethernet|Port Rate Limiter
Description	This attribute is applicable to MPR 9500. This is used for enabling the ingress port rate limiting.

Table 44-48 Ingress Filtering

Name	Value
Displayed name	Ingress Filtering
OSS name	mobilePortIngFiltering
Type	generic.TruthValue
Tab|Panel	Ethernet|Port Mobility

Table 44-49 Ingress Max Burst Rate

Name	Value
Displayed name	Ingress Max Burst Rate
OSS name	ingressCommitedMaxBurst
Type	INT
Minimum	0
Maximum	16000
Default	12
Units	Kbytes
Step	4
Tab|Panel	Ethernet|Port Rate Limiter
Description	This attribute is applicable to MPR 9500. This attribute carries out 'on per port basis' ingress admitted unknown unicast rate (the threshold value of unknown unicast traffic rate as admitted on this ingress interface). This value is requested to trigger discarding of NE generated unknown unicast traffic rate on this ingress interface and is minor or equal to that specified in ifSpeed for this interface.

Table 44-50 Ingress Rate

Name	Value
Displayed name	Ingress Rate
OSS name	ingressRate
Type	INT
Minimum	-1
Maximum	100000
Default	-1
Units	Mbps
Tab|Panel	Ethernet|Ingress Rate

Table 44-51 Inter-Frame Gap

Name	Value
Displayed name	Inter-Frame Gap
OSS name	interFrameGap
Type	INT
Minimum	9
Maximum	12
Default	12
Units	bytes
Tab|Panel	Ethernet|Flow Control

Table 44-52 IP MTU

Name	Value
Displayed name	IP MTU
OSS name	ipMTU
Type	INT
Default	0
Units	bytes
Tab|Panel	Ethernet|General

Table 44-53 Keep-Alive Interval (Sec)

Name	Value
Displayed name	Keep-Alive Interval (Sec)
OSS name	keepAliveInterval
Type	INT
Minimum	1
Maximum	120
Default	10
Tab|Panel	Ethernet|Down When Looped Configuration

Table 44-54 LACP Tunnel

Name	Value
Displayed name	LACP Tunnel
OSS name	lacpTunnel
Type	BOOL
Default	false
Tab|Panel	Ethernet|LACP Tunnel

Table 44-55 Loopback Messages Dropped

Name	Value
Displayed name	Loopback Messages Dropped
OSS name	cfmLbmDropped
Type	LONG
Default	0
Tab|Panel	Ethernet|Statistics

Table 44-56 Loopback Messages Received

Name	Value
Displayed name	Loopback Messages Received
OSS name	cfmLbmRx
Type	LONG
Default	0

(1 of 2)

Name	Value
Tab|Panel	Ethernet|Statistics

(2 of 2)

Table 44-57 Loopback Reply Transmitted

Name	Value
Displayed name	Loopback Reply Transmitted
OSS name	cfmLbrTx
Type	LONG
Default	0
Tab|Panel	Ethernet|Statistics

Table 44-58 MDI/MDX

Name	Value
Displayed name	MDI/MDX
OSS name	ethernetInterfaceType
Type	INT
Default	0
Read-only	yes
Tab|Panel	Ethernet|General

Table 44-59 Minimum Frame Length

Name	Value
Displayed name	Minimum Frame Length
OSS name	etherMinFrameLength
Type	INT
Default	64
Units	Bytes
Tab|Panel	Ethernet|General
Description	This attribute specifies the minimum length of ethernet frame transmitted out of the port.

Table 44-60 Multicast Frame Rate

Name	Value
Displayed name	Multicast Frame Rate
OSS name	multicastFrameRate
Type	LONG
Minimum	0
Maximum	16777215
Default	100
Units	framesec
Tab|Panel	Ethernet|Storm Control
Description	This attribute is applicable to MPR 9500. This attribute carries out 'on per port basis' ingress admitted multicast traffic rate (the threshold value of multicast traffic rate as admitted on this ingress interface). This value is requested to trigger discarding of NE generated multicast traffic on this ingress interface and is minor or equal to that specified in ifSpeed for this interface.

Table 44-61 Multicast Limit

Name	Value
Displayed name	Multicast Limit
OSS name	multicastLimit
Type	LONG
Mandatory on creation	no
Tab|Panel	Ethernet|Flow Control
Description	The value of the maximum multicast traffic that can flow through the port. The actual value depends on the port speed if the configured values is greater than the current port speed.

Table 44-62 Operational Flow

Name	Value
Displayed name	Operational Flow
OSS name	operationalFlowControl
Type	INT
Default	notApplicable
Tab|Panel	Ethernet|Flow Control
Description	The actual flow control. See {code}flowControl{/code}.

Table 44-63 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	ethernetequipment.ElmiOperationalStateType
Default	Up
Read-only	yes
Tab|Panel	Ethernet|E-LMI
Description	indicates the operational status of the Ethernet LMI interface
Enumerated types	
Down	
Up	

Table 44-64 Oper Physical Tx Clock

Name	Value
Displayed name	Oper Physical Tx Clock
OSS name	operPhyTxClock
Type	ethernetequipment.OperPhyTxClock
Read-only	yes
Tab|Panel	Ethernet|Synchronous Ethernet
Description	OperPhyTxClock value indicates the result of Master/Slave resolution on copper based Ethernet ports. OperPhyTxClock is 'notApplicable' if PortClass is not 'xcme' and PortType is not 'portTypeXcmeTx' and 'PortEtherOperSpeed' is not 1000
Enumerated types	
Master	
Not Applicable	
Slave	

Table 44-65 Outstanding Alarms

Name	Value
Displayed name	Outstanding Alarms
OSS name	reportAlarmStatus
Type	ethernetequipment.EthernetPortReportAlarmBits
Default	0
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	Ethernet|General
Enumerated types	
Duplicate Lane	
High Bit Error Rate	
Local Fault	
No AM Lock	
No Block Lock	
No Frame Lock	
Remote Fault	
Signal Failure	

(2 of 2)

Table 44-66 PBB Ethertype

Name	Value
Displayed name	PBB Ethertype
OSS name	pbbEtype
Type	INT
Minimum	1536
Maximum	65535
Default	35047
Mandatory on creation	no
Tab|Panel	Ethernet|General

Table 44-67 Persistent Loopback

Name	Value
Displayed name	Persistent Loopback
OSS name	portEtherLoopbackPersist
Type	BOOL
Default	false
Tab|Panel	Ethernet|Timed Loopback

Table 44-68 Phy Tx Clock

Name	Value
Displayed name	Phy Tx Clock
OSS name	adminPhyTxClock
Type	INT
Default	autoPrefSlave
Tab|Panel	Ethernet|General

Table 44-69 Polling Timer UNI-C (T391)

Name	Value
Displayed name	Polling Timer UNI-C (T391)
OSS name	t391
Type	INT
Minimum	5
Maximum	30
Default	10
Units	seconds
Tab|Panel	Ethernet|E-LMI
Description	specifies the polling timer for the E-LMI UNI-C

Table 44-70 Polling Verification Timer (T392)

Name	Value
Displayed name	Polling Verification Timer (T392)
OSS name	t392
Type	INT
Minimum	5
Maximum	30
Default	15
Units	seconds
Tab|Panel	Ethernet|E-LMI
Description	specifies the polling verification timer for the E-LMI UNI-N

Table 44-71 Port Clock Mode

Name	Value
Displayed name	Port Clock Mode
OSS name	clockMode
Type	INT
Default	auto
Tab|Panel	Ethernet|General
Description	Specifies the clock mode of the Ethernet port. The parameter must be set to Manual Slave in order for the port to be used with Synchronous Ethernet.

Table 44-72 Port ID

Name	Value
Displayed name	Port ID
OSS name	portId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Ethernet|General

Table 44-73 Port Name

Name	Value
Displayed name	Port Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	Ethernet|General

Table 44-74 Protocols

Name	Value
Displayed name	Protocols
OSS name	upProtocols
Type	ethernetequipment.PortProtocols

(1 of 2)

Name	Value
Default	0
Read-only	yes
Tab|Panel	Ethernet|Protocols
Description	The tmnxPortUpProtocols variable is a bitmap that indicates what protocols can be used on this port type.

(2 of 2)

Table 44-75 Provider Brigde Type

Name	Value
Displayed name	Provider Brigde Type
OSS name	provideBridge
Type	ethernetequipment.EthernetInterfaceCellFormat
Default	NNI
Tab|Panel	Ethernet|Provider Bridge Configurations
Enumerated types	
NNI	
UNI (Port)	
UNI (C-Vlan)	

Table 44-76 PTP Asymmetry

Name	Value
Displayed name	PTP Asymmetry
OSS name	ptpAsymmetry
Type	INT
Minimum	-8388608
Maximum	8388607
Default	0
Tab|Panel	Ethernet|General

Table 44-77 Q in Q Ethertype

Name	Value
Displayed name	Q in Q Ethertype
OSS name	qinqEtype

(1 of 2)

Name	Value
Type	INT
Minimum	1536
Maximum	65535
Default	33024
Mandatory on creation	no
Tab|Panel	Ethernet|General

(2 of 2)

Table 44-78 Received Quality Level

Name	Value
Displayed name	Received Quality Level
OSS name	ssmRxQualityLevel
Type	ethernetequipment.PortSsmReceivedQualityLevel
Read-only	yes
Tab|Panel	Ethernet|Synchronous Ethernet
Enumerated types	
Dnu	
Dus	
Eec1	
Eec2	
Failed	
Inv	
Pno	
Prc	
Prs	
Sec	
Smc	
Ssua	
Ssub	
St2	
St3	
St3e	
St4	
Stu	
Tnc	
None	

Table 44-79 Report Alarms

Name	Value
Displayed name	Report Alarms
OSS name	reportAlarmBits
Type	ethernetequipment.EthernetPortReportAlarmBits
Default	48
Tab|Panel	Ethernet|General
Enumerated types	
Duplicate Lane	
High Bit Error Rate	
Local Fault	
No AM Lock	
No Block Lock	
No Frame Lock	
Remote Fault	
Signal Failure	

Table 44-80 Retry Timeout (Sec)

Name	Value
Displayed name	Retry Timeout (Sec)
OSS name	retryTimeout
Type	INT
Minimum	0
Maximum	160
Default	120
Tab|Panel	Ethernet|Down When Looped Configuration

Table 44-81 SAP

Name	Value
Displayed name	SAP
OSS name	sapPointer
Type	POINTER
Tab|Panel	Ethernet|Timed Loopback|SAP

Table 44-82 Single Fiber

Name	Value
Displayed name	Single Fiber
OSS name	singleFiber
Type	generic.TruthValue
Tab|Panel	Ethernet|General
Description	singleFiber is used to enable/disable packet gathering and redirection of IP packets from a single fiber on RX port of the Ethernet interface and redistribute packets to other interfaces through either state routes or policy-based forwarding.

Table 44-83 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	Ethernet|General

Table 44-84 Source MAC Address

Name	Value
Displayed name	Source MAC Address
OSS name	srcMacAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	Ethernet|Timed Loopback|MAC

Table 44-85 Src Pause

Name	Value
Displayed name	Src Pause
OSS name	ingressSrcPause
Type	BOOL
Default	false

(1 of 2)

Name	Value
Mandatory on creation	no
Tab|Panel	Ethernet|Ingress Rate

(2 of 2)

Table 44-86 SSM Code-Type

Name	Value
Displayed name	SSM Code-Type
OSS name	codeType
Type	ethernetequipment.SSMCodeType
Default	3
Tab|Panel	Ethernet|Synchronous Ethernet
Enumerated types	
Sdh	
Sonet	
None	

Table 44-87 Status Counter (N393)

Name	Value
Displayed name	Status Counter (N393)
OSS name	n393
Type	INT
Minimum	2
Maximum	10
Default	4
Tab|Panel	Ethernet|E-LMI
Description	specifies the ELMI monitored count of the consecutive errors for both UNI-N and UNI-C. It is used to determine if E-LMI is operational or not

Table 44-88 S-VLAN TPID

Name	Value
Displayed name	S-VLAN TPID
OSS name	svlanTpid
Type	ethernetequipment.EthernetConfVlanType

(1 of 2)

Name	Value
Default	0X8100
Tab|Panel	Ethernet|Provider Bridge Configurations
Enumerated types	
0X8100	
0X88a8	
0X9100	

(2 of 2)

Table 44-89 Swap Mac Address

Name	Value
Displayed name	Swap Mac Address
OSS name	swapMacAddr
Type	BOOL
Default	false
Tab|Panel	Ethernet|Timed Loopback

Table 44-90 Synchronous Ethernet Capability

Name	Value
Displayed name	Synchronous Ethernet Capability
OSS name	syncECapable
Type	ethernetequipment.SyncECapable
Default	Not Applicable
Tab|Panel	Ethernet|Synchronous Ethernet
Enumerated types	
Capable	
Not Applicable	
Not Capable	

Table 44-91 Synchronous Status Messages

Name	Value
Displayed name	Synchronous Status Messages
OSS name	ssm
Type	generic.TruthValue

(1 of 2)

Name	Value
Tab|Panel	Ethernet|Synchronous Ethernet
Description	specifies whether or not synchronous status messages (SSM) are enabled on the ethernet port.

(2 of 2)

Table 44-92 Time

Name	Value
Displayed name	Time
OSS name	portLoopbackTime
Type	LONG
Minimum	0
Maximum	86400
Default	0
Units	seconds
Tab|Panel	Ethernet|Timed Loopback

Table 44-93 Time Remaining

Name	Value
Displayed name	Time Remaining
OSS name	portLoopbackTimeRemaining
Type	LONG
Units	seconds
Tab|Panel	Ethernet|Timed Loopback

Table 44-94 Timestamp Capable

Name	Value
Displayed name	Timestamp Capable
OSS name	timeStampCapable
Type	BOOL
Read-only	yes
Tab|Panel	Ethernet|General
Description	Indicates whether the hardware is capable of supporting 1588 PTP time stamp functions.

Table 44-95 Transmitted Quality Level

Name	Value
Displayed name	Transmitted Quality Level
OSS name	ssmTxQualityLevel
Type	ethernetequipment.PortSsmReceivedQualityLevel
Read-only	yes
Tab|Panel	Ethernet|Synchronous Ethernet
Enumerated types	
Dnu	
Dus	
Eec1	
Eec2	
Failed	
Inv	
Pno	
Prc	
Prs	
Sec	
Smc	
Ssua	
Ssub	
St2	
St3	
St3e	
St4	
Stu	
Tnc	
None	

Table 44-96 Tx DUS/DNU

Name	Value
Displayed name	Tx DUS/DNU
OSS name	txDus
Type	generic.TruthValue
Tab|Panel	Ethernet|Synchronous Ethernet

Table 44-97 Type

Name	Value
Displayed name	Type
OSS name	multicastLimitType
Type	ethernetequipment.LimitType
Default	Mbps
Tab|Panel	Ethernet|Flow Control
Description	The unit applicable to the value in multicast traffic.
Enumerated types	
Mbps	
Percentage	
Pkts/s	

Table 44-98 Type

Name	Value
Displayed name	Type
OSS name	portLoopback
Type	ethernetequipment.PortLoopback
Default	None
Tab|Panel	Ethernet|Timed Loopback
Enumerated types	
Internal	
Line	
None	

Table 44-99 Type

Name	Value
Displayed name	Type
OSS name	uUnicastLimitType
Type	ethernetequipment.LimitType
Default	Mbps
Tab|Panel	Ethernet|Flow Control
Description	The unit applicable to the value in unknown Unicast traffic.
Enumerated types	

(1 of 2)

Name	Value
Mbps	
Percentage	
Pkts/s	

(2 of 2)

Table 44-100 Type

Name	Value
Displayed name	Type
OSS name	broadcastLimitType
Type	ethernetequipment.LimitType
Default	Mbps
Tab|Panel	Ethernet|Flow Control
Description	The unit applicable to the value in broadcast traffic.
Enumerated types	
Mbps	
Percentage	
Pkts/s	

Table 44-101 UNI Identifier

Name	Value
Displayed name	UNI Identifier
OSS name	uniIdentifier
Type	STRING
Maximum	64
Tab|Panel	Ethernet|E-LMI
Description	specifies the UNI Identifier of the E-LMI entity

Table 44-102 UNI Mode

Name	Value
Displayed name	UNI Mode
OSS name	uniMode
Type	ethernetequipment.UniModeType
Default	None

(1 of 2)

Name	Value
Tab|Panel	Ethernet|E-LMI
Description	specifies the mode of the interface It can be set as User Network Interface Network (UNI-N), or 'none (0)' to disable E-LMI.
Enumerated types	
None	
UNI-N	

(2 of 2)

Table 44-103 UNI Priority

Name	Value
Displayed name	UNI Priority
OSS name	uniPriority
Type	ethernetequipment.VlanPriorityType
Default	Port Priority
Tab|Panel	Ethernet|Provider Bridge Configurations
Enumerated types	
C VLAN Priority	
Port Priority	

Table 44-104 UNI Type

Name	Value
Displayed name	UNI Type
OSS name	uniType
Type	ethernetequipment.ElmiUniType
Tab|Panel	Ethernet|E-LMI
Description	indicates the information retrieved from the CE-VLAN ID/EVC Map Type contained in the UNI Status Information Element
Enumerated types	
All To One Bundling	
Bundling	
Not Used	
Multiplex No Bundling	

Table 44-105 Unknown Unicast Frame Rate

Name	Value
Displayed name	Unknown Unicast Frame Rate
OSS name	unknownUnicastFrameRate
Type	LONG
Minimum	0
Maximum	16777215
Default	100
Units	framesec
Tab|Panel	Ethernet|Storm Control
Description	This attribute is applicable to MPR 9500. This attribute carries out 'on per port basis' ingress admitted unknown unicast rate (the threshold value of unknown unicast traffic rate as admitted on this ingress interface). This value is requested to trigger discarding of NE generated unknown unicast traffic rate on this ingress interface and is minor or equal to that specified in ifSpeed for this interface.

Table 44-106 Unknown Unicast Limit

Name	Value
Displayed name	Unknown Unicast Limit
OSS name	uUnicastLimit
Type	LONG
Mandatory on creation	no
Tab|Panel	Ethernet|Flow Control
Description	The value of the maximum unknown unicast traffic that can flow through the port. The actual value depends on the port speed if the configured values is greater than the current port speed

Table 44-107 Untag C-VLAN

Name	Value
Displayed name	Untag C-VLAN
OSS name	untagCvlan
Type	BOOL
Default	false
Tab|Panel	Ethernet|Provider Bridge Configurations

Table 44-108 Use Broadcast Address

Name	Value
Displayed name	Use Broadcast Address
OSS name	useBroadCastAddress
Type	generic.TruthValue
Tab|Panel	Ethernet|Down When Looped Configuration

Table 44-109 Vlan Filter

Name	Value
Displayed name	Vlan Filter
OSS name	vlanFilterPointer
Type	POINTER
Tab|Panel	Ethernet|Vlan Filter

Table 44-110 Window Size

Name	Value
Displayed name	Window Size
OSS name	windowSize
Type	INT
Minimum	5
Maximum	60
Default	10
Units	seconds
Tab|Panel	Ethernet|CRC Failure
Description	The value of windowSize specifies the size of the sliding window over which the sdThreshold and sfThreshold are applied.

Table 44-111 XGig Mode

Name	Value
Displayed name	XGig Mode
OSS name	networkMode
Type	ethernetequipment.XGigMode
Default	N/A

(1 of 2)

Name	Value
Tab|Panel	Ethernet|Ethernet Interface Mode
Description	Specifies whether the ethernet interface is in LAN or WAN mode.
Enumerated types	
LAN	
N/A	
WAN	

(2 of 2)

45 — Ethernet Ring

Table 45-1 Ethernet Ring parameters

Parameters	
Control SAP	Path Endpoint

Table 45-2 Control SAP

Name	Value
Displayed name	Control SAP
OSS name	controlFlag
Type	generic.TruthValue
Read-only	yes
Tab|Panel	General|General

Table 45-3 Path Endpoint

Name	Value
Displayed name	Path Endpoint
OSS name	pathEndptPointer
Type	STRING
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|General

(2 of 2)

46 — Ethernet Ring Element

Table 46-1 Ethernet Ring Element parameters

Parameters	
Administrative State	R-APS Vlan Id
APS Tx PDU	Request/State
CCM Hold Time Down	Revert ERP Version Fallback
CCM Hold Time Up	Revertive Mode
Compatible Version	Revert Time
Description	Revert Time Count Down
Ethernet Ring Defect Status	Ring Element Location
Ethernet Ring ID	Ring Node ID
Ethernet Ring Interconnect	Ring Protection Link Type
Ethernet Ring Manager	Ring Type
Guard Time	Service
ID	Site ID
MEG Level	Status
Operational State	Sub-Code
Propagate Topology Change	Switch Command
Protection State	Type
Radio Ring Topology	Virtual Channel

Table 46-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState

(1 of 2)

Name	Value
Type	netw.AdministrativeState
Default	Down
Tab|Panel	General|General
Enumerated types	
Down	
Up	
Unknown	
Inherit	
Not Operational	
Testing	
N/A	
Noop	

(2 of 2)

Table 46-3 APS Tx PDU

Name	Value
Displayed name	APS Tx PDU
OSS name	txApsPdu
Type	STRING
Default	0
Read-only	yes
Tab|Panel	General|APS Tx PDU

Table 46-4 CCM Hold Time Down

Name	Value
Displayed name	CCM Hold Time Down
OSS name	holdTimeDown
Type	INT
Minimum	0
Maximum	5000
Default	0
Units	centiseconds
Tab|Panel	General|General
Description	Specifies the time used for the hold-timer for associated Continuity Check (CC) Session down event dampening.

Table 46-5 CCM Hold Time Up

Name	Value
Displayed name	CCM Hold Time Up
OSS name	holdTimeUp
Type	INT
Minimum	0
Maximum	5000
Default	20
Units	deciseconds
Tab|Panel	General|General
Description	Specifies the time used for the hold-timer for associated Continuity Check (CC) Session up event dampening.

Table 46-6 Compatible Version

Name	Value
Displayed name	Compatible Version
OSS name	compatibleVersion
Type	ethring.EthRingCompatibleVersion
Default	Version 2
Tab|Panel	General|General
Enumerated types	
Version 1	
Version 2	

Table 46-7 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 46-8 Ethernet Ring Defect Status

Name	Value
Displayed name	Ethernet Ring Defect Status
OSS name	defectStatus
Type	ethring.EthRingDefectMask
Read-only	yes
Tab|Panel	General|General
Description	Indicates what defects are active on the Ethernet Ring. The defects are defined as: dFopPM -- Provisioning Mismatch
Enumerated types	
Provisioning Mismatch	

Table 46-9 Ethernet Ring ID

Name	Value
Displayed name	Ethernet Ring ID
OSS name	subRingInterconnectId
Type	LONG
Minimum	0
Maximum	4294967295
Default	0
Tab|Panel	General|Sub-Ring
Description	Specifies the id of the Element this Element is interconnected to. A value of 4294967295 specifies that this Element is interconnected to a VPLS service. This property can only be set to 4294967295 if the subRingType is set to 'nonVirtualLink'. A value of 0 specifies that this Element is not interconnected.

Table 46-10 Ethernet Ring Interconnect

Name	Value
Displayed name	Ethernet Ring Interconnect
OSS name	interconnectPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Sub-Ring

Table 46-11 Ethernet Ring Manager

Name	Value
Displayed name	Ethernet Ring Manager
OSS name	ringPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|General

Table 46-12 Guard Time

Name	Value
Displayed name	Guard Time
OSS name	guardTime
Type	INT
Minimum	1
Maximum	20
Default	5
Units	deciseconds
Tab|Panel	General|General
Description	Specifies the guard timer, in deciseconds, of a Ring-APS (R-APS) node. The guard timer is used to prevent the Ethernet Ring node from acting upon outdated R-APS messages and prevent the possibility of forming a closed loop. While the guard timer is running, any received R-APS Request/State and Status information is blocked and not forwarded to the Priority Logic. When the guard timer is not running, the R-APS Request/State and Status information is forwarded unchanged.

Table 46-13 ID

Name	Value
Displayed name	ID
OSS name	id
Type	INT
Minimum	1
Maximum	2147483647
Default	autoId
Mandatory on creation	yes
Tab|Panel	General|General

Table 46-14 MEG Level

Name	Value
Displayed name	MEG Level
OSS name	megLevel
Type	INT
Minimum	0
Maximum	7
Default	0
Mandatory on creation	yes
Tab|Panel	General|Service
Description	MEG level of the R-APS PDU to be inserted for this Ring. This object must be specified while creating a row in this table. Once the row has been created, the value of this object cannot be changed.

Table 46-15 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	netw.OperationalState
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Down	
Failed	
Initializing	
Up	
Not Present	
Disabled	
Transition	
Unknown	
Blocking	
MTU Mismatch	
No Egress Label	
No Ingress Label	
No Labels	
Tunnel Down	
Tunnel MTU Too Small	

(1 of 2)

Name	Value
Tunnel Not Ready	
Indeterminate	
Filtering	
Forwarding	
Dormant	
Lower Layer Down	
Testing	
N/A	
Backup Designated Router	
Designated Router	
Loopback	
Other Designated Router	
Point-to-Point	
Waiting	
attempt	
down	
exchange	
exchange started	
full	
init	
loading	
two way	
Admin Down	
Egress QoS Mismatch	
IES Interface Admin Down	
Ingress QoS Mismatch	
Invalid Egress Interface	
Not Alive	
Not Ready	
Transport Tunnel Down	
Port MTU Too Small	

(2 of 2)

Table 46-16 Propagate Topology Change

Name	Value
Displayed name	Propagate Topology Change

(1 of 2)

Name	Value
OSS name	subRingPropTopChange
Type	BOOL
Default	false
Tab|Panel	General|Sub-Ring
Description	Specifies whether or not the Element propagates topology changes to the interconnected Element as specified by the value of subRingInterconnectId.

(2 of 2)

Table 46-17 Protection State

Name	Value
Displayed name	Protection State
OSS name	protectState
Type	ethring.MprProtectedStateType
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Deactivated	
Forced Switch	
Idle	
Manual Switch	
Pending	
Protection	

Table 46-18 Radio Ring Topology

Name	Value
Displayed name	Radio Ring Topology
OSS name	topologyPointer
Type	POINTER
Tab|Panel	General|General

Table 46-19 R-APS Vlan Id

Name	Value
Displayed name	R-APS Vlan Id

(1 of 2)

Name	Value
OSS name	ringVlanId
Type	INT
Minimum	2
Maximum	4080
Mandatory on creation	yes
Tab|Panel	General|General

(2 of 2)

Table 46-20 Request/State

Name	Value
Displayed name	Request/State
OSS name	txApsPduRequestState
Type	ethring.RingApsPduRequestStateEnum
Default	N/A
Read-only	yes
Tab|Panel	General|APS Tx PDU
Enumerated types	
0xE (Event)	
0xD (FS)	
0x7 (MS)	
N/A	
0x0 (NR)	
0xB (SF)	

Table 46-21 Revert ERP Version Fallback

Name	Value
Displayed name	Revert ERP Version Fallback
OSS name	revertVersionFallback
Type	BOOL
Default	false
Tab|Panel	General|General

Table 46-22 Revertive Mode

Name	Value
Displayed name	Revertive Mode
OSS name	revertive
Type	BOOL
Default	true
Tab|Panel	General|General

Table 46-23 Revert Time

Name	Value
Displayed name	Revert Time
OSS name	revertTime
Type	INT
Minimum	0
Maximum	720
Default	300
Units	seconds
Tab|Panel	General|General
Description	Specifies the Wait-To-Restore (WTR) timer, in seconds. The WTR timer is used to prevent frequent operation of the protection switching due to intermittent signal failure defects. The valid range is 60 to 720 seconds. A value of 0 puts the Ethernet Ring Element into a non-revertive mode.

Table 46-24 Revert Time Count Down

Name	Value
Displayed name	Revert Time Count Down
OSS name	revertTimeCountDn
Type	LONG
Default	0
Units	seconds
Read-only	yes
Tab|Panel	General|General

Table 46-25 Ring Element Location

Name	Value
Displayed name	Ring Element Location
OSS name	ethernetSwitchCardPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General
Description	Pointer to the Card Slot which this Element is configured on

Table 46-26 Ring Node ID

Name	Value
Displayed name	Ring Node ID
OSS name	ringNodeId
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|General

Table 46-27 Ring Protection Link Type

Name	Value
Displayed name	Ring Protection Link Type
OSS name	rplType
Type	ethring.RplNodeType
Default	None
Tab|Panel	General|General
Description	Specifies the Ring Protection Link (RPL) type of the Ethernet Ring Element. If this property is set to 'rplNone', the Ethernet Ring Element is not disgnated as either an RPL Owner or Neighbor. If this property is set to 'rplOwner', the Ethernet Ring Element is adjacent to the RPL that is responsible for blocking its end of the RPL under normal conditions. It is the responsibility of the rplOwner for activating reversion behaviour from protected or MS/FS conditions. If this property is set to 'rplNeighbor', the Ethernet Ring Element is adjacent to the RPL that is responsible for blocking its end of the RPL under normal conditions in addition to the block by the RPL Owner Node. The Ethernet Ring Element is not responsible for activating the reversion.
Enumerated types	
Neighbor	
None	
Owner	

Table 46-28 Ring Type

Name	Value
Displayed name	Ring Type
OSS name	erpRingType
Type	ethring.EthRingErpRingType
Default	Normal Ring
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Normal Ring	
Sub Ring	

Table 46-29 Service

Name	Value
Displayed name	Service
OSS name	servicePointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Service

Table 46-30 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	INETADDR
Default	0.0.0.0
Mandatory on creation	yes
Tab|Panel	General|General

Table 46-31 Status

Name	Value
Displayed name	Status

(1 of 2)

Name	Value
OSS name	txApsPduStatus
Type	ethring.RingApsPduStatusMask
Read-only	yes
Tab|Panel	General|APS Tx PDU
Enumerated types	
Blocked Port Reference	
Do Not Flush	
RPL Blocked	

(2 of 2)

Table 46-32 Sub-Code

Name	Value
Displayed name	Sub-Code
OSS name	txApsPduSubCode
Type	ethring.RingApsPduSubCodeEnum
Default	N/A
Read-only	yes
Tab|Panel	General|APS Tx PDU
Enumerated types	
0x0	
N/A	

Table 46-33 Switch Command

Name	Value
Displayed name	Switch Command
OSS name	switchCommand
Type	ethring.EthRingCmdSwitchEnum
Default	No Command
Tab|Panel	General|General
Enumerated types	
Clear	
Force Switch	
Manual Switch	
No Command	

Table 46-34 Type

Name	Value
Displayed name	Type
OSS name	subRingType
Type	ethring.EthRingSubRingType
Default	None
Tab|Panel	General|Sub-Ring
Description	Specifies whether this Element is a sub-ring or not. A value of 'none' specifies that the Element is not a sub-ring. A value 'virtualLink' specifies that the Element is a sub-ring with R-APS virtual channel. A value of 'nonVirtualLink' specifies that the Element is a sub-ring without R-APS virtual channel.
Enumerated types	
None	
Non Virtual Link	
Virtual Link	

Table 46-35 Virtual Channel

Name	Value
Displayed name	Virtual Channel
OSS name	virtualChannel
Type	BOOL
Default	true
Tab|Panel	General|General

47 — Ethernet Ring Path Endpoint

Table 47-1 Ethernet Ring Path Endpoint parameters

Parameters	
Actual Maximum Frame Size	Path ID
Administrative State	Port
APS Rx PDU	Port ID
Current State	Provisioned Maximum Frame Size
Description	R-APS Tag (Inner Encapsulation Value)
Encapsulation Type	R-APS Tag (Outer Encapsulation Value)
Ethernet Path	Remote MEP
Forwarding State	Request/State
Forwarding State Change Time	Ring Element ID
Maximum Frame Size Mismatch	Site ID
MEG ID	Site Name
Member Port	Status
OAM Event	Sub-Code
Operational State	Switch Command
Path Endpoint Type	Underlying Port State

Table 47-2 Actual Maximum Frame Size

Name	Value
Displayed name	Actual Maximum Frame Size
OSS name	actualMtu
Type	INT

(1 of 2)

Name	Value
Default	1500
Units	bytes
Read-only	yes
Tab|Panel	Port|General

(2 of 2)

Table 47-3 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	ethring.AdministrativeState
Default	unspecified
Tab|Panel	General|General

Table 47-4 APS Rx PDU

Name	Value
Displayed name	APS Rx PDU
OSS name	rxApsPdu
Type	STRING
Default	0
Read-only	yes
Tab|Panel	General|APS Rx PDU

Table 47-5 Current State

Name	Value
Displayed name	Current State
OSS name	currState
Type	ethring.RingPathEndpointFwdStateType
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Blocked	
Normal	

Table 47-6 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 47-7 Encapsulation Type

Name	Value
Displayed name	Encapsulation Type
OSS name	encapType
Type	equipment.PortEncapType
Default	unspecified
Read-only	yes
Tab|Panel	Port|General
Enumerated types	
ATM	
BCP Dot1 Q	
BCP Null	
CEM	
FR	
Cisco HDLC	
IPCP	
MPLS	
Null	
PPP Auto	
Dot1 Q	
Q in Q	
HDLC	
N/A	
WAN Mirror	

Table 47-8 Ethernet Path

Name	Value
Displayed name	Ethernet Path
OSS name	ethernetPathPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Ethernet Path

Table 47-9 Forwarding State

Name	Value
Displayed name	Forwarding State
OSS name	fwdState
Type	ethring.RingPathEndpointFwdStateType
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Blocked	
Normal	

Table 47-10 Forwarding State Change Time

Name	Value
Displayed name	Forwarding State Change Time
OSS name	fwdStateChgTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|General

Table 47-11 Maximum Frame Size Mismatch

Name	Value
Displayed name	Maximum Frame Size Mismatch
OSS name	mtuMismatch

(1 of 2)

Name	Value
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	Port|General
Description	The value is set to 'true' when the provisioned MTU value is greater than the actual MTU value (provisionedMtu > actualMtu).

(2 of 2)

Table 47-12 MEG ID

Name	Value
Displayed name	MEG ID
OSS name	megId
Type	LONG
Minimum	1
Maximum	16
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	MEG Id for port (the vlaue ranges from 1 to 16)

Table 47-13 Member Port

Name	Value
Displayed name	Member Port
OSS name	ctpPointer
Type	POINTER
Read-only	yes
Tab|Panel	Port|General

Table 47-14 OAM Event

Name	Value
Displayed name	OAM Event
OSS name	oamEvent
Type	generic.TruthValue

(1 of 2)

Name	Value
Tab|Panel	General|General

(2 of 2)

Table 47-15 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	ethring.OperationalState
Default	unknown
Read-only	yes
Tab|Panel	General|General

Table 47-16 Path Endpoint Type

Name	Value
Displayed name	Path Endpoint Type
OSS name	pathEndpointRplType
Type	ethring.RplPathEndpointType
Default	Normal
Tab|Panel	General|General
Description	Specifies if the Path Endpoint acts as an RPL End. This is only configurable if the rplType of the Ethernet Ring Element is to 'rplOwner' or 'rplNeighbor'.
Enumerated types	
Normal	
Ring Protection Link End	

Table 47-17 Path ID

Name	Value
Displayed name	Path ID
OSS name	pathId
Type	ethring.RingPathEndpointIndexType
Default	Path A
Mandatory on creation	yes
Tab|Panel	General|General

(1 of 2)

Name	Value
Enumerated types	
Path A	
Path B	

(2 of 2)

Table 47-18 Port

Name	Value
Displayed name	Port
OSS name	portName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	Port|General

Table 47-19 Port ID

Name	Value
Displayed name	Port ID
OSS name	portId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Port|General

Table 47-20 Provisioned Maximum Frame Size

Name	Value
Displayed name	Provisioned Maximum Frame Size
OSS name	provisionedMtu
Type	INT
Default	1500
Units	bytes
Read-only	yes
Tab|Panel	Port|General

Table 47-21 R-APS Tag (Inner Encapsulation Value)

Name	Value
Displayed name	R-APS Tag (Inner Encapsulation Value)
OSS name	innerEncapValue
Type	INT
Minimum	0
Maximum	4095
Default	0
Mandatory on creation	yes
Tab|Panel	Port|General
Description	Provisioned inner encap value. This value is propagated into: terminatedPortInnerEncapValue.

Table 47-22 R-APS Tag (Outer Encapsulation Value)

Name	Value
Displayed name	R-APS Tag (Outer Encapsulation Value)
OSS name	outerEncapValue
Type	INT
Minimum	1
Maximum	4094
Default	0
Mandatory on creation	yes
Tab|Panel	Port|General
Description	Provisioned outer encap value. This value is propagated into: terminatedPortOuterEncapValue.

Table 47-23 Remote MEP

Name	Value
Displayed name	Remote MEP
OSS name	remoteMepPointer
Type	POINTER
Tab|Panel	General|General

Table 47-24 Request/State

Name	Value
Displayed name	Request/State
OSS name	rxApsPduRequestState
Type	ethring.RingApsPduRequestStateEnum
Default	N/A
Read-only	yes
Tab|Panel	General|APS Rx PDU
Enumerated types	
0xE (Event)	
0xD (FS)	
0x7 (MS)	
N/A	
0x0 (NR)	
0xB (SF)	

Table 47-25 Ring Element ID

Name	Value
Displayed name	Ring Element ID
OSS name	ringElementId
Type	INT
Read-only	yes
Tab|Panel	General|General

Table 47-26 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 47-27 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 47-28 Status

Name	Value
Displayed name	Status
OSS name	rxApsPduStatus
Type	ethring.RingApsPduStatusMask
Read-only	yes
Tab|Panel	General|APS Rx PDU
Enumerated types	
Blocked Port Reference	
Do Not Flush	
RPL Blocked	

Table 47-29 Sub-Code

Name	Value
Displayed name	Sub-Code
OSS name	rxApsPduSubCode
Type	ethring.RingApsPduSubCodeEnum
Default	N/A
Read-only	yes
Tab|Panel	General|APS Rx PDU
Enumerated types	
0x0	
N/A	

Table 47-30 Switch Command

Name	Value
Displayed name	Switch Command
OSS name	switchCommand
Type	ethring.EthRingCmdSwitchEnum
Default	No Command
Tab|Panel	General|General
Enumerated types	
Clear	
Force Switch	
Manual Switch	
No Command	

Table 47-31 Underlying Port State

Name	Value
Displayed name	Underlying Port State
OSS name	underlyingResourceState
Type	ethring.UnderlyingResourceState
Default	noAssociation
Read-only	yes
Tab|Panel	Port|General
Description	State of the underlying resource. (An underlying resource is for example a netw.ConnectionTerminationPoint)

48 — Fan Tray

Table 48-1 Fan Tray parameters

Parameters	
Administrative State	Manufacturing Assembly No
Background Diagnostics Fault Reason	Manufacturing Deviations
Background Diagnostics State	Manufacturing Variant
CLEI Code	Operational State
Description	Part Number
Device State	Serial Number
Fan Type	Site ID
Hardware Class	Site Name
Manufacture Date	Speed
Manufacturer	Tray ID

Table 48-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	equipment.AdministrativeState
Default	Unknown
Tab|Panel	General|Equipment
Enumerated types	
Diagnose	

(1 of 2)

Name	Value
Up	
Locked	
Maintenance	
Unknown	
Not Relevant	
Operate Switch	
Down	
Shutting Down	
Unlocked	

(2 of 2)

Table 48-3 Background Diagnostics Fault Reason

Name	Value
Displayed name	Background Diagnostics Fault Reason
OSS name	backgroundDiagnosticsFaultReason
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 48-4 Background Diagnostics State

Name	Value
Displayed name	Background Diagnostics State
OSS name	backgroundDiagnosticsState
Type	equipment.BackgroundDiagnosticsStateType
Default	Unknown
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
Critical Fault Detected	
Fault Detected	
N/A	
Ok	
Unknown	

Table 48-5 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING
Minimum	0
Maximum	16
Read-only	yes
Tab|Panel	General|Equipment Location Codes

Table 48-6 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	255
Read-only	yes
Tab|Panel	General|General

Table 48-7 Device State

Name	Value
Displayed name	Device State
OSS name	deviceState
Type	equipment.DeviceState
Default	1
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Not Equipped	
Failed	
MinorFailure	
OK	
OutOfservice	

(1 of 2)

Name	Value
Unknown	

(2 of 2)

Table 48-8 Fan Type

Name	Value
Displayed name	Fan Type
OSS name	fanType
Type	equipment.FansType
Default	FANS
Tab|Panel	General|General
Enumerated types	
A-FANS	
FANS	

Table 48-9 Hardware Class

Name	Value
Displayed name	Hardware Class
OSS name	hardwareClass
Type	equipment.HardwareClassType
Default	no
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
External Alarm Input	
Fam	
N/A	

Table 48-10 Manufacture Date

Name	Value
Displayed name	Manufacture Date
OSS name	manufactureDate
Type	STRING
Maximum	252

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 48-11 Manufacturer

Name	Value
Displayed name	Manufacturer
OSS name	manufacturer
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 48-12 Manufacturing Assembly No

Name	Value
Displayed name	Manufacturing Assembly No
OSS name	manufacturingAssemblyNo
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 48-13 Manufacturing Deviations

Name	Value
Displayed name	Manufacturing Deviations
OSS name	manufacturingDeviations
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 48-14 Manufacturing Variant

Name	Value
Displayed name	Manufacturing Variant
OSS name	manufacturingVariant
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 48-15 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	equipment.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	General|Equipment
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	
Provisioned	
Reserved	
Reset Pending	
Shutting Down	
Soft Reset	

(1 of 2)

Name	Value
Testing	
Transition	
Unprovisioned	
Upgrade	

(2 of 2)

Table 48-16 Part Number

Name	Value
Displayed name	Part Number
OSS name	manufacturerBoardNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 48-17 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	serialNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 48-18 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Equipment

Table 48-19 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Equipment

Table 48-20 Speed

Name	Value
Displayed name	Speed
OSS name	speed
Type	equipment.FanSpeed
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Full Speed	
Half Speed	
Low Speed	
Off	
Unknown	

Table 48-21 Tray ID

Name	Value
Displayed name	Tray ID
OSS name	fanId
Type	INT
Default	1
Mandatory on creation	yes
Tab|Panel	General|General

49 — FIB Entry

Table 49-1 FIB Entry parameters

Parameters	
Backbone Destination MAC Address	Number of EPIPEs
Customer ID	Number of I-VPLS MAC
MAC Address	Operational Spoke SDP Binding
Name	Protected
Node ID	Service ID
Node Name	Type

Table 49-2 Backbone Destination MAC Address

Name	Value
Displayed name	Backbone Destination MAC Address
OSS name	backboneDestMac
Type	MACADDR
Default	00-00-00-00-00-00
Read-only	yes
Tab|Panel	General|PBB
Description	Indicates the Backbone VPLS service MAC address used as destination MAC address in the Provider Backbone Bridging frames for this MAC address. This property only applies to I-VPLS service site and should contain a value of 0:0:0:0:0:0 for other types of service site.

Table 49-3 Customer ID

Name	Value
Displayed name	Customer ID
OSS name	subscriberId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General

Table 49-4 MAC Address

Name	Value
Displayed name	MAC Address
OSS name	macAddress
Type	MACADDR
Default	no
Mandatory on creation	yes
Tab|Panel	General|General

Table 49-5 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 49-6 Node ID

Name	Value
Displayed name	Node ID
OSS name	nodeId
Type	STRING

(1 of 2)

Name	Value
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|General

(2 of 2)

Table 49-7 Node Name

Name	Value
Displayed name	Node Name
OSS name	nodeName
Type	STRING
Maximum	252
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|General

Table 49-8 Number of EPIPEs

Name	Value
Displayed name	Number of EPIPEs
OSS name	numOfEpipes
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|PBB
Description	Indicates the number of E-Pipes that resolve to this MAC Address. This property only applies to B-VPLS service site and should contain a value of 0 for other types of service site.

Table 49-9 Number of I-VPLS MAC

Name	Value
Displayed name	Number of I-VPLS MAC
OSS name	numOfIVplsMac
Type	LONG
Default	0

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|PBB
Description	Indicates the number of ISID VPLS service MAC addresses which are using this Backbone MAC address forwarding entry. This property only applies to B-VPLS service site and should contain a value of 0 for other types of service site.

(2 of 2)

Table 49-10 Operational Spoke SDP Binding

Name	Value
Displayed name	Operational Spoke SDP Binding
OSS name	endpointOperSdpBindingPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Endpoint
Description	A pointer pointing to the Spoke SDP Binding associated to this static MAC address for this end point when the termination type is "endpoint".

Table 49-11 Protected

Name	Value
Displayed name	Protected
OSS name	isProtected
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General
Description	Indicates whether or not the MAC is protected. When the value of this object is 'true' the agent will protect the MAC from being learned or re-learned on a SAP that has restricted learning enabled.

Table 49-12 Service ID

Name	Value
Displayed name	Service ID
OSS name	serviceId
Type	LONG
Default	0

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|General

(2 of 2)

Table 49-13 Type

Name	Value
Displayed name	Type
OSS name	type
Type	netw.ForwardingObjectType
Tab|Panel	General|General
Enumerated types	
OAM	

50 — FilterDefinition

Table 50-1 FilterDefinition parameters

Parameters	
Application	Host Shared Start Entry
Configuration Mode	Location
Credit Control	Low Watermark
Credit Control Count	Low WaterMark
Credit Control Start Entry	NE Filter Name
Default Action	Number of Host Shared Filters
Description	Origin
Discovery State	Policy Scope
Distribution Mode	Policy Type
Filter ID	RADIUS
Filter Name	RADIUS Count
Filter Type	RADIUS Start Entry
High WaterMark	Result
High Watermark	Scope
Host Shared	Site ID
Host Shared Count	Site Name

Table 50-2 Application

Name	Value
Displayed name	Application
OSS name	groupEntriesApplication
Type	aclfilter.ApplicationType

(1 of 2)

50 — FilterDefinition

Name	Value
Default	CreditControl
Tab|Panel	Insertion Blocks|Group Entry Insertion Sorting
Description	The value specifies for which application the inserted entries must be grouped.
Enumerated types	
BGP Flowspec	
CreditControl	
Normal	
RADIUS	
Host Shared RADIUS	

(2 of 2)

Table 50-3 Configuration Mode

Name	Value
Displayed name	Configuration Mode
OSS name	configurationMode
Type	aclfilter.ConfigurationMode
Default	draft
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 50-4 Credit Control

Name	Value
Displayed name	Credit Control
OSS name	creditControlInsertion
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Insertion Blocks|Group Entries Inserted
Description	The value indicates how many filter entries are currently inserted in the filter on request the credit control application.

Table 50-5 Credit Control Count

Name	Value
Displayed name	Credit Control Count
OSS name	creditControlCount
Type	LONG
Minimum	0
Maximum	65535
Default	0
Tab|Panel	Insertion Blocks|Group Entry Insertion Configuration
Description	The value specifies how many filter entries received from Credit Control can be inserted in the filter. If creditControlStartEntry is set to 0, then this object will be put to 0 as well. Any change attempts will be silently discarded in this case.

Table 50-6 Credit Control Start Entry

Name	Value
Displayed name	Credit Control Start Entry
OSS name	creditControlStartEntry
Type	LONG
Minimum	0
Maximum	65535
Default	0
Tab|Panel	Insertion Blocks|Group Entry Insertion Configuration
Description	The value specifies at what place the filter entries received from Credit Control for a particular subscriber host will be inserted in the filter. No regular entries, nor Radius provided entries can be configured in this range.

Table 50-7 Default Action

Name	Value
Displayed name	Default Action
OSS name	defaultAction
Type	acl.FilterAction
Tab|Panel	General|General

Table 50-8 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 50-9 Discovery State

Name	Value
Displayed name	Discovery State
OSS name	discoveryState
Type	aclfilter.DiscoveryState
Default	notApplicable
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to "inProgress" if the global policy is created as the part of the specific NE resync during the full node resync or node discovery. At the end of full node resync, if the resync is successful, the global policy is completely updated from first discovered local policy and its discoveryState is set to "completed". Otherwise, the global policy isn't updated and its discoveryState is set to "failed". For "failed" global policy, it will be updated by next successful full node resync or synchronized from the specific local policy. Set to "initialized" if the global policy is created by snmp trap notification. User may need to synchronize the global policy manually with the specific local policy. Set to "N/A" if the global policy is created or modified by SAM user.

Table 50-10 Distribution Mode

Name	Value
Displayed name	Distribution Mode
OSS name	distributionMode
Type	aclfilter.DistributionMode
Default	syncWithGlobal
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 50-11 Filter ID

Name	Value
Displayed name	Filter ID
OSS name	id
Type	LONG
Minimum	0
Maximum	4294967295
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 50-12 Filter Name

Name	Value
Displayed name	Filter Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 50-13 Filter Type

Name	Value
Displayed name	Filter Type
OSS name	filterType
Type	acl.FilterType
Default	None
Read-only	yes
Tab|Panel	General|General
Enumerated types	
IP	
IPv6	
MAC	
None	
VLAN	

Table 50-14 High WaterMark

Name	Value
Displayed name	High WaterMark
OSS name	highWaterMark
Type	INT
Minimum	0
Maximum	100
Default	95
Units	%
Tab|Panel	Insertion Blocks|Group Entry Insertion Configuration
Description	The value specifies the utilization of the filter ranges for filter entry insertion, at which a table full alarm will be raised.

Table 50-15 High Watermark

Name	Value
Displayed name	High Watermark
OSS name	hostSharedHighWmark
Type	INT
Minimum	-1
Maximum	8000
Default	-1
Tab|Panel	Insertion Blocks|Host Shared Filter Configuration
Description	The value specifies the number of Radius Shared Filters that can be dynamically created before an high water-mark alarm will be raised.

Table 50-16 Host Shared

Name	Value
Displayed name	Host Shared
OSS name	hostSharedInsertion
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Insertion Blocks|Group Entries Inserted
Description	The value indicates how many host common filter entries are currently inserted in the filter on request of Radius.

Table 50-17 Host Shared Count

Name	Value
Displayed name	Host Shared Count
OSS name	hostSharedCount
Type	LONG
Minimum	0
Maximum	65535
Default	0
Tab|Panel	Insertion Blocks|Group Entry Insertion Configuration
Description	The value specifies how many host common filter entries received from Radius for subscriber hosts can be inserted in the filter. If tIPFilterHostSharedInsertPt is set to 0, then this object will be put to 0 as well. Any change attempts will be silently discarded in this case.

Table 50-18 Host Shared Start Entry

Name	Value
Displayed name	Host Shared Start Entry
OSS name	hostSharedStartEntry
Type	LONG
Minimum	0
Maximum	65535
Default	0
Tab|Panel	Insertion Blocks|Group Entry Insertion Configuration
Description	The value specifies at what place the filter entries received from Radius that are shared between several hosts (host common rules) will be inserted in the filter. The area defined here will be dedicated to those entries, no other entries will be allowed. The value 0 means that no Radius provided host common filter entries can be inserted in the filter. If tIPFilterHostSharedInsertSize is set to 0, then this object will be put to 0 as well. Any change attempts will be silently discarded in this case.

Table 50-19 Location

Name	Value
Displayed name	Location
OSS name	groupEntriesLocation
Type	INT
Default	top
Tab|Panel	Insertion Blocks|Group Entry Insertion Sorting

(1 of 2)

Name	Value
Description	The value specifies at what location the inserted entries must be grouped.

(2 of 2)

Table 50-20 Low Watermark

Name	Value
Displayed name	Low Watermark
OSS name	hostSharedLowWmark
Type	INT
Minimum	-1
Maximum	8000
Default	-1
Tab|Panel	Insertion Blocks|Host Shared Filter Configuration
Description	The value specifies the number of Radius Shared Filters that are still dynamically created before an high water-mark notification is cleared by the system.

Table 50-21 Low WaterMark

Name	Value
Displayed name	Low WaterMark
OSS name	lowWaterMark
Type	INT
Minimum	0
Maximum	100
Default	90
Units	%
Tab|Panel	Insertion Blocks|Group Entry Insertion Configuration
Description	The value specifies the utilization of the filter ranges for filter entry insertion, at which a table full alarm will be cleared.

Table 50-22 NE Filter Name

Name	Value
Displayed name	NE Filter Name
OSS name	filterName
Type	STRING
Minimum	0

(1 of 2)

Name	Value
Maximum	64
Tab|Panel	General|General
Description	Specifies the filter name set on the node.

(2 of 2)

Table 50-23 Number of Host Shared Filters

Name	Value
Displayed name	Number of Host Shared Filters
OSS name	hostSharedFilterCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	Insertion Blocks|Host Shared Filter
Description	The value indicates the number of Radius Shared Filters are currently created based on this filter.

Table 50-24 Origin

Name	Value
Displayed name	Origin
OSS name	origin
Type	STRING
Maximum	50
Default	N/A
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to the siteId if the policy is created as the part of the specific NE resync or by snmp notification. Set to user name if the policy is created by SAM user.

Table 50-25 Policy Scope

Name	Value
Displayed name	Policy Scope
OSS name	isLocal
Type	BOOL

(1 of 2)

50 — FilterDefinition

Name	Value
Default	false
Read-only	yes
Tab|Panel	General|Policy Configuration

(2 of 2)

Table 50-26 Policy Type

Name	Value
Displayed name	Policy Type
OSS name	policyType
Type	aclfilter.PolicyType
Default	unspecified
Read-only	yes
Tab|Panel	General|General

Table 50-27 RADIUS

Name	Value
Displayed name	RADIUS
OSS name	radiusInsertion
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Insertion Blocks|Group Entries Inserted
Description	The value indicates how many filter entries are currently inserted in the filter on request the RADIUS application.

Table 50-28 RADIUS Count

Name	Value
Displayed name	RADIUS Count
OSS name	radiusCount
Type	LONG
Minimum	0
Maximum	65535
Default	0

(1 of 2)

Name	Value
Tab|Panel	Insertion Blocks|Group Entry Insertion Configuration
Description	The value specifies how many filter entries received from Radius for subscriber hosts can be inserted in the filter. If radiusStartEntry is set to 0, then this object will be put to 0 as well. Any change attempts will be silently discarded in this case.

(2 of 2)

Table 50-29 RADIUS Start Entry

Name	Value
Displayed name	RADIUS Start Entry
OSS name	radiusStartEntry
Type	LONG
Minimum	0
Maximum	65535
Default	0
Tab|Panel	Insertion Blocks|Group Entry Insertion Configuration
Description	The value specifies at what place the filter entries received from Radius will be inserted in the filter. No regular entries, nor Credit Control provided entries can be configured in this range. The value 0 means that no Radius provided filter entries can be inserted in the filter. If radiusCount is set to 0, then this object will be put to 0 as well. Any change attempts will be silently discarded in this case.

Table 50-30 Result

Name	Value
Displayed name	Result
OSS name	groupEntriesResult
Type	INT
Default	none
Read-only	yes
Tab|Panel	Insertion Blocks|Group Entry Insertion Sorting
Description	The value indicates the success or failure of the last requested grouping request on inserted entries.

Table 50-31 Scope

Name	Value
Displayed name	Scope
OSS name	scope

(1 of 2)

50 — FilterDefinition

Name	Value
Type	policy.ItemScope
Tab|Panel	General|General

(2 of 2)

Table 50-32 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 50-33 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

51 — FrameBasedAccounting

Table 51-1 FrameBasedAccounting parameters

Parameters	
Egress	Ingress

Table 51-2 Egress

Name	Value
Displayed name	Egress
OSS name	egressFrameBased
Type	generic.TruthValue
Tab|Panel	General|General

Table 51-3 Ingress

Name	Value
Displayed name	Ingress
OSS name	ingressFrameBased
Type	generic.TruthValue
Tab|Panel	General|General

52 — Global Maintenance Entity Group

Table 52-1 Global Maintenance Entity Group parameters

Parameters	
Administrative State	Name
Aggregated With	Name Format
Description	NE Schedulable
Global ID	Number of Local MEGs
ID	Number of MEPs
Initial CCM Interval	Originating Tested Entity
Initial CFM Hold Down Timer	Probe History
Initial MHF-Creation	Test Definition
Initial MIP LTR Priority	Tested Entity
Last Generated	Test Policy
Maintenance Domain	Test Suite
Name	Weight

Table 52-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	sas.TestAdminState
Default	Enabled
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	The administrative state of the test. Disabled tests cannot be executed (even if it is a scheduled execution).
Enumerated types	
Disabled	
Enabled	
Unknown	

(2 of 2)

Table 52-3 Aggregated With

Name	Value
Displayed name	Aggregated With
OSS name	aggregatedWith
Type	sas.AggregationType
Default	None
Read-only	yes
Tab|Panel	test_suite|general
Description	Specifies if/how the test is aggregated with others tests.
Enumerated types	
None	
Test Suite	
Test Suite (Generated)	

Table 52-4 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General
Description	The description of the test. Not interpreted by SAM.

Table 52-5 Global ID

Name	Value
Displayed name	Global ID
OSS name	globalId
Type	STRING
Minimum	0
Maximum	252
Tab|Panel	General|General
Description	The display global name of the test.

Table 52-6 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	1
Maximum	99999999
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the STM test.

Table 52-7 Initial CCM Interval

Name	Value
Displayed name	Initial CCM Interval
OSS name	ccmInterval
Type	ethernetoam.CCMIntervalNameType
Default	10 s
Mandatory on creation	yes
Tab|Panel	General|8021ag_conf
Description	Specifies the ccm-interval for this CcTest.
Enumerated types	
1 s	
10 s	

(1 of 2)

Name	Value
100 ms	
10 ms	
3.33 ms	
60 s	
600 s	

(2 of 2)

Table 52-8 Initial CFM Hold Down Timer

Name	Value
Displayed name	Initial CFM Hold Down Timer
OSS name	cfmHoldDownTimer
Type	INT
Minimum	0
Maximum	1000
Default	0
Units	Centiseconds
Mandatory on creation	yes
Tab|Panel	General|8021ag_conf
Description	Specifies the time, in centiseconds, that a MEP in the association will delay declaring a fault.

Table 52-9 Initial MHF-Creation

Name	Value
Displayed name	Initial MHF-Creation
OSS name	mhfCreation
Type	ethernetoam.MhfCreationEnum
Default	1
Mandatory on creation	yes
Tab|Panel	General|8021ag_conf
Description	The mhf Creation for this CcTest.
Enumerated types	
default Description: MHFs can be created on this VID on any Bridge port through which this VID can pass.	
defer Description: MHFs can be created for this VID only on Bridge ports through which this VID can pass, and only if a MEP is created at some lower MD Level.	
explicit Description: MHFs can be created for this VID only on Bridge ports through which this VID can pass, and only if a MEP is created at some lower MD Level.	

(1 of 2)

Name	Value
none Description: No MHFs can be created for this VID.	
static Description: Multiple MHFs can be created on the primary VID on any bridge port through which this primary VID can pass, provided that any existing MEP is created at a lower MD level.	

(2 of 2)

Table 52-10 Initial MIP LTR Priority

Name	Value
Displayed name	Initial MIP LTR Priority
OSS name	mipLtrPriority
Type	INT
Minimum	0
Maximum	7
Default	7
Mandatory on creation	yes
Tab|Panel	General|8021ag_conf
Description	The value of mipLtrPriority specifies at what priority the link-trace response frames should be transmitted for a MIP request.

Table 52-11 Last Generated

Name	Value
Displayed name	Last Generated
OSS name	lastGeneratedTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	test_suite|general
Description	Date (time from January 1st, 1970) when this test was last generated. This attribute has value only when this test is bound to a Test Suite.

Table 52-12 Maintenance Domain

Name	Value
Displayed name	Maintenance Domain
OSS name	maintenanceDomainPointer
Type	POINTER

(1 of 2)

52 — Global Maintenance Entity Group

Name	Value
Mandatory on creation	yes
Tab|Panel	General|md_conf
Description	The local maintenanceDomainPointer for this MEG.

(2 of 2)

Table 52-13 Name

Name	Value
Displayed name	Name
OSS name	maintAssocName
Type	STRING
Minimum	1
Maximum	45
Mandatory on creation	yes
Tab|Panel	General|ma_conf

Table 52-14 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	General|General
Description	The display name of the test. Not interpreted by SAM.

Table 52-15 Name Format

Name	Value
Displayed name	Name Format
OSS name	maintAssocNameType
Type	ethernetoam.MaintAssocNameType
Default	string
Mandatory on creation	yes
Tab|Panel	General|ma_conf

(1 of 2)

Name	Value
Description	Specifies the address type of the Maintenance Entity Group.
Enumerated types	
icc-based	
integer	
string	
vid	
vpn-id	

(2 of 2)

Table 52-16 NE Schedulable

Name	Value
Displayed name	NE Schedulable
OSS name	neSchedulable
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	General|General
Description	Used to make this test NE schedulable. An NE schedulable test is immediately installed onto the node, and may use the node's CRON feature to schedule its executions.

Table 52-17 Number of Local MEGs

Name	Value
Displayed name	Number of Local MEGs
OSS name	totalNumberOfMegs
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|meg_meps

Table 52-18 Number of MEPs

Name	Value
Displayed name	Number of MEPs
OSS name	totalNumberOfMeps

(1 of 2)

52 — Global Maintenance Entity Group

Name	Value
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|meg_meps

(2 of 2)

Table 52-19 Originating Tested Entity

Name	Value
Displayed name	Originating Tested Entity
OSS name	testedEntityName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Displays the service name of the tested entity

Table 52-20 Probe History

Name	Value
Displayed name	Probe History
OSS name	probeHistory
Type	sas.ProbeHistoryType
Default	Auto
Tab|Panel	test_params|exec_details
Description	The value of probeHistory indicates whether or not per-probe history will be kept for this test.
Enumerated types	
Auto	
Drop	
Keep	

Table 52-21 Test Definition

Name	Value
Displayed name	Test Definition
OSS name	testDefinition

(1 of 2)

Name	Value
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestDefinition, if any, that this test was created from. Only applicable when aggregatedWith is "testSuite".

(2 of 2)

Table 52-22 Tested Entity

Name	Value
Displayed name	Tested Entity
OSS name	testSuiteTestedEntity
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestedEntity, if any, that is associated to this object. Only applicable when aggregatedWith is "testSuiteGenerated".

Table 52-23 Test Policy

Name	Value
Displayed name	Test Policy
OSS name	testPolicyUsage
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general
Description	The pointer to the sas.TestPolicyUsage, if any, that this test was created from. Only applicable when aggregatedWith is "testSuite".

Table 52-24 Test Suite

Name	Value
Displayed name	Test Suite
OSS name	testSuite
Type	POINTER
Read-only	yes
Tab|Panel	test_suite|general

(1 of 2)

52 — Global Maintenance Entity Group

Name	Value
Description	The pointer to the sas.TestSuite, if any, that owns this test. Only applicable when aggregatedWith is "testSuite".

(2 of 2)

Table 52-25 Weight

Name	Value
Displayed name	Weight
OSS name	weight
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|General
Description	Specifies the relative load that execution of this test affects the server.

53 — Hop

Table 53-1 Hop parameters

Parameters	
Administrative State	Port
AINS Enabled	Port Description
Channel	Rate
CTP	Site ID
Hop Order	Site Name
Operational State	

Table 53-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	equipment.AdministrativeState
Tab|Panel	General|General
Description	Administrative State.
Enumerated types	
Diagnose	
Up	
Locked	
Maintenance	

(1 of 2)

Name	Value
Unknown	
Not Relevant	
Operate Switch	
Down	
Shutting Down	
Unlocked	

(2 of 2)

Table 53-3 AINS Enabled

Name	Value
Displayed name	AINS Enabled
OSS name	ainsEnabled
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Indicates if Port Level AINS(Automatic In Service) is enabled on the port which is represented by this Hop Object.

Table 53-4 Channel

Name	Value
Displayed name	Channel
OSS name	channel
Type	optical.ITUChannel
Default	8760
Tab|Panel	General|General
Description	The optical channel - used for display in the service screen in SAM GUI.
Enumerated types	
1310	
1471	
1490	
1491	
1511	
1530	
1531	
1550	

(1 of 7)

Name	Value
1551	
1571	
1591	
1611	
1625	
850	
8650	
8655	
8660	
8665	
8670	
8675	
8680	
8685	
8690	
8695	
8700	
8705	
8710	
8715	
8720	
8725	
8730	
8735	
8740	
8745	
8750	
8755	
8760	
8765	
8770	
8775	
8780	
8785	
8790	
8795	
8800	

(2 of 7)

Name	Value
8805	
8810	
8815	
8820	
8825	
8830	
8835	
8840	
8845	
8850	
8855	
8860	
8865	
8870	
8875	
8880	
8885	
8890	
8895	
8900	
8905	
8910	
8915	
8920	
8925	
8930	
8935	
8940	
8945	
8950	
8955	
8960	
8965	
8970	
8975	
8980	
8985	

(3 of 7)

Name	Value
8990	
8995	
9000	
9005	
9010	
9015	
9020	
9025	
9030	
9035	
9040	
9045	
9050	
9055	
9060	
9065	
9070	
9075	
9080	
9085	
9090	
9095	
9100	
9105	
9110	
9115	
9120	
9125	
9130	
9135	
9140	
9145	
9150	
9155	
9160	
9165	
9170	

(4 of 7)

Name	Value
9175	
9180	
9185	
9190	
9195	
9200	
9205	
9210	
9215	
9220	
9225	
9230	
9235	
9240	
9245	
9250	
9255	
9260	
9265	
9270	
9275	
9280	
9285	
9290	
9295	
9300	
9305	
9310	
9315	
9320	
9325	
9330	
9335	
9340	
9345	
9350	
9355	

(5 of 7)

Name	Value
9360	
9365	
9370	
9375	
9380	
9385	
9390	
9395	
9400	
9405	
9410	
9415	
9420	
9425	
9430	
9435	
9440	
9445	
9450	
9455	
9460	
9465	
9470	
9475	
9480	
9485	
9490	
9495	
9500	
9505	
9510	
9515	
9520	
9525	
9530	
9535	
9540	

(6 of 7)

Name	Value
9545	
9550	
9555	
9560	
9565	
9570	
9575	
9580	
9585	
9590	
9595	
9600	
9605	
None	

(7 of 7)

Table 53-5 CTP

Name	Value
Displayed name	CTP
OSS name	ctpPointer
Type	POINTER
Tab|Panel	General|General
Description	The CTP pointer of this hop.

Table 53-6 Hop Order

Name	Value
Displayed name	Hop Order
OSS name	hopOrder
Type	INT
Minimum	1
Default	0
Tab|Panel	General|General
Description	The position of the hop within the parent trail. The position of each hop is calculated based on traversing the parent trail from endpoint A to endpoint Z.

Table 53-7 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	equipment.OperationalState
Tab|Panel	General|General
Description	Operational State.
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	
Provisioned	
Reserved	
Reset Pending	
Shutting Down	
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

Table 53-8 Port

Name	Value
Displayed name	Port
OSS name	portPointer

(1 of 2)

Name	Value
Type	POINTER
Tab|Panel	General|General
Description	The physical port pointer of this hop.

(2 of 2)

Table 53-9 Port Description

Name	Value
Displayed name	Port Description
OSS name	description
Type	STRING
Tab|Panel	General|General
Description	The port description - used for display in the service screen in SAM GUI.

Table 53-10 Rate

Name	Value
Displayed name	Rate
OSS name	rate
Type	optical.AssignedRate
Tab|Panel	General|General
Description	The port rate - used for display in the service screen in SAM GUI.
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	

(1 of 3)

Name	Value
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	

(2 of 3)

Name	Value
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 53-11 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Tab|Panel	General|General
Description	The site id that the hop belongs to.

Table 53-12 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Tab|Panel	General|General
Description	The site name that the hop belongs to.

54 — IEEE 802.3ah OAM

Table 54-1 IEEE 802.3ah OAM parameters

Parameters	
Administrative State	Loopback Control Tx
Average Delay	Loopback Status
Configuration Revision	Loop Detected
Critical Event Notify	Max. PDU Size
Defect	Mode
Duplicate Event Rx	Multiplier
Duplicate Event Tx	Near-end Errored Symbols Rx
Dying Gasp Notify	Notify
Errored Frame Period Window	Number of Frames
Errored Frame Seconds Summary Window	Operational Status
Errored Frame Window	Peer Configuration Revision
Frames Delay	Peer Functions Supported
Frames Lost Due To OAM	Peer Grace Rx
Frames Received	Peer MAC Address
Frames Sent	Peer Max PDU Size
Functions Supported	Peer Mode
Grace Tx State	Peer Vendor Info
Grace Tx State Enable	Peer Vendor OUI
Hold Time	Period Notify
Ignore EFM State	Period Threshold
Information Rx	Received Remote Loopback Requests
Information Tx	Seconds Summary Notify
L1-Ping Status	Seconds Summary Threshold
Log-history	Set Local Loopback
Loopback Control Rx	Set Remote Loopback

(1 of 2)

Parameters	
Start L1-Ping	Unique Event Rx
Statistics	Unique Event Tx
Threshold	Unsupported Codes Rx
Transmit Interval	Unsupported Codes Tx
Tunneling	

(2 of 2)

Table 54-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	dot3OamAdminState
Type	ethernetequipment.EfmAdministrativeState
Default	Disabled
Tab|Panel	General|general
Description	This object is used to provision the default administrative OAM mode for this interface. This object represents the desired state of OAM for this interface. The dot3OamAdminState always starts in the disabled(1) state until an explicit management action or configuration information retained by the system causes a transition to the enabled(2) state. When enabled(2), Ethernet OAM will attempt to operate over this interface.
Enumerated types	
Disabled	
Enabled	

Table 54-3 Average Delay

Name	Value
Displayed name	Average Delay
OSS name	l1PingAverageRoundTripDelay
Type	INT
Default	0
Units	ms
Tab|Panel	General|l1Ping
Description	This object is used to keep the average delay taken by frames during last L1 ping

Table 54-4 Configuration Revision

Name	Value
Displayed name	Configuration Revision
OSS name	dot3OamConfigRevision
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|general
Description	The configuration revision of the OAM entity as reflected in the latest OAMPDU sent by the OAM entity. The config revision is used by OAM entities to indicate configuration changes have occurred which might require the peer OAM entity to re-evaluate whether OAM peering is allowed.

Table 54-5 Critical Event Notify

Name	Value
Displayed name	Critical Event Notify
OSS name	dot3OamCriticalEventEnable
Type	BOOL
Default	true
Mandatory on creation	no
Tab|Panel	General|general
Description	If true, the local OAM entity should attempt to indicate a critical event via the OAMPDU flags to its peer OAM entity when a critical event occurs. The exact definition of a critical event is implementation dependent. If the system does not support critical event capability, setting this object has no effect, and reading the object should always result in 'false'. By default, this object should have the value true for Ethernet-like interfaces that support OAM. If the OAM layer does not support Event Notifications (as indicated via the dot3OamFunctionsSupported attribute), this value is ignored.

Table 54-6 Defect

Name	Value
Displayed name	Defect
OSS name	dot3OamDefect
Type	ethernetequipment.Dot3OamDefect
Default	0
Tab|Panel	General|general

(1 of 2)

Name	Value
Enumerated types	
Loss of Packet	

(2 of 2)

Table 54-7 Duplicate Event Rx

Name	Value
Displayed name	Duplicate Event Rx
OSS name	dot3OamDuplicateEventNotificationRx
Type	INT
Default	0
Units	OAMPDUs
Tab|Panel	General|statistics
Description	A count of the number of duplicate Event OAMPDUs received on this interface

Table 54-8 Duplicate Event Tx

Name	Value
Displayed name	Duplicate Event Tx
OSS name	dot3OamDuplicateEventNotificationTx
Type	INT
Default	0
Units	OAMPDUs
Tab|Panel	General|statistics
Description	A count of the number of duplicate Event OAMPDUs transmitted on this interface

Table 54-9 Dying Gasp Notify

Name	Value
Displayed name	Dying Gasp Notify
OSS name	dot3OamDyingGaspEnable
Type	BOOL
Default	true
Mandatory on creation	no
Tab|Panel	General|general

(1 of 2)

Name	Value
Description	If true, the local OAM entity should attempt to indicate a dying gasp via the OAMPDU flags field to its peer OAM entity when a dying gasp event occurs. The exact definition of a dying gasp event is implementation dependent. If the system does not support dying gasp capability, setting this object has no effect, and reading the object should always result in 'false'. By default, this object should have the value true for Ethernet-like interfaces that support OAM. If the OAM layer does not support Event Notifications (as indicated via the dot3OamFunctionsSupported attribute), this value is ignored.

(2 of 2)

Table 54-10 Errored Frame Period Window

Name	Value
Displayed name	Errored Frame Period Window
OSS name	dot3OamErrFramePeriodWindow
Type	LONG
Minimum	20000
Maximum	1200000000
Default	200000
Units	frames
Mandatory on creation	no
Tab|Panel	General|linkEvent
Description	The number of frames over which the threshold is defined. The default value of the window is the number of minimum size Ethernet frames that can be received over the physical layer in one second. If dot3OamErrFramePeriodThreshold frame errors occur within a window of dot3OamErrFramePeriodWindow frames, an Event Notification OAMPDU should be generated with an Errored Frame Period Event TLV indicating that the threshold has been crossed in this window.

Table 54-11 Errored Frame Seconds Summary Window

Name	Value
Displayed name	Errored Frame Seconds Summary Window
OSS name	dot3OamErrFrameSecsSummaryWindow
Type	INT
Minimum	100
Maximum	9000
Default	600
Units	dsec
Mandatory on creation	no
Tab|Panel	General|linkEvent

(1 of 2)

Name	Value
Description	The amount of time (in 100 ms intervals) over which the threshold is defined. The default value is 100 (10 seconds). If dot3OamErrFrameSecsSummaryThreshold frame errors occur within a window of dot3OamErrFrameSecsSummaryWindow (in tenths of seconds), an Event Notification OAMPDU should be generated with an Errored Frame Seconds Summary Event TLV indicating that the threshold has been crossed in this window.

(2 of 2)

Table 54-12 Errored Frame Window

Name	Value
Displayed name	Errored Frame Window
OSS name	dot3OamErrFrameWindow
Type	INT
Minimum	10
Maximum	600
Default	10
Units	dsec
Mandatory on creation	no
Tab|Panel	General|linkEvent
Description	The amount of time (in 100ms increments) over which the threshold is defined. The default value is 10 (1 second). If dot3OamErrFrameThreshold frame errors occur within a window of dot3OamErrFrameWindow seconds (measured in tenths of seconds), an Event Notification OAMPDU should be generated with an Errored Frame Event TLV indicating that the threshold has been crossed in this window.

Table 54-13 Frames Delay

Name	Value
Displayed name	Frames Delay
OSS name	l1PingFramesDelay
Type	INT
Minimum	100
Maximum	1000
Default	1000
Units	ms
Mandatory on creation	no
Tab|Panel	General|l1Ping
Description	This object is used to set the delay between two frames transmitted during L1 ping

Table 54-14 Frames Lost Due To OAM

Name	Value
Displayed name	Frames Lost Due To OAM
OSS name	dot3OamFramesLostDueToOam
Type	INT
Default	0
Units	Frames
Tab|Panel	General|statistics
Description	A count of the number of frames that were dropped by the OAM multiplexer. Since the OAM multiplexer has multiple inputs and a single output, there may be cases where frames are dropped due to transmit resource contention. This counter is incremented whenever a frame is dropped by the OAM layer. Note that any Ethernet frame, not just OAMPDUs, may be dropped by the OAM layer. This can occur when an OAMPDU takes precedence over a 'normal' frame resulting in the 'normal' frame being dropped. When this counter is incremented, no other counters in this MIB are incremented. Discontinuities of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of the ifCounterDiscontinuityTime.

Table 54-15 Frames Received

Name	Value
Displayed name	Frames Received
OSS name	l1PingFramesReceived
Type	INT
Default	0
Tab|Panel	General|l1Ping
Description	This object is used to keep the number of frames received during last L1 ping operation

Table 54-16 Frames Sent

Name	Value
Displayed name	Frames Sent
OSS name	l1PingFramesSent
Type	INT
Default	0
Tab|Panel	General|l1Ping
Description	This object is used to keep the actual frames sent during last L1 ping operation

Table 54-17 Functions Supported

Name	Value
Displayed name	Functions Supported
OSS name	dot3OamFunctionsSupported
Type	ethernetequipment.Dot3OamFunctionsSupported
Default	Loopback Support
Read-only	yes
Tab|Panel	General|general
Description	The OAM functions supported on this Ethernet like interface. OAM consists of separate functional sets beyond the basic discovery process which is always required. These functional groups can be supported independently by any implementation. These values are communicated to the peer via the local configuration field of Information OAMPDUs. Setting 'unidirectionalSupport(0)' indicates that the OAM entity supports the transmission of OAMPDUs on links that are operating in unidirectional mode (traffic flowing in one direction only). Setting 'loopbackSupport(1)' indicates the OAM entity can initiate and respond to loopback commands. Setting 'eventSupport(2)' indicates the OAM entity can send and receive Event Notification OAMPDUs. Setting 'variableSupport(3)' indicates the OAM entity can send and receive Variable Request and Response OAMPDUs.
Enumerated types	
Event Support	
Loopback Support	
Unidirectional Support	
Variable Support	

Table 54-18 Grace Tx State

Name	Value
Displayed name	Grace Tx State
OSS name	gracePeriodTx
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|general
Description	The value of tmnxDot3OamGraceTxState indicates whether or not the node is locally executing a grace period. A value of 'true' indicates that all peer timeouts are extended locally and an eligible EFM-OAM entity is transmitting grace period information. A value of 'false' indicates no grace period information is transmitted and standard values are used for timing out remote peers. Note that for a local EFM-OAM entity to be eligible for grace period transmission it must be admin up and active, and the port level tmnxDot3OamGraceTxEnabled and global level tmnxDot3OamSystemGraceTxEnable values must be set to 'true'.

Table 54-19 Grace Tx State Enable

Name	Value
Displayed name	Grace Tx State Enable
OSS name	graceTxStateEnable
Type	BOOL
Default	true
Mandatory on creation	no
Tab|Panel	General|general
Description	The value of tmnxDot3OamGraceTxState indicates whether or not the node is locally executing a grace period. A value of 'true' indicates that all peer timeouts are extended locally and an eligible EFM-OAM entity is transmitting grace period information. A value of 'false' indicates no grace period information is transmitted and standard values are used for timing out remote peers. Note that for a local EFM-OAM entity to be eligible for grace period transmission it must be admin up and active, and the port level tmnxDot3OamGraceTxEnabled and global level tmnxDot3OamSystemGraceTxEnable values must be set to 'true'.

Table 54-20 Hold Time

Name	Value
Displayed name	Hold Time
OSS name	dot3OamHoldTime
Type	INT
Minimum	0
Maximum	50
Default	0
Units	s
Mandatory on creation	no
Tab|Panel	General|general
Description	The value of tmnxDot3OamHoldTime specifies the number of seconds the efm-oam protocol should wait after dot3OamOperStatus transitions from 'operational (9)' to a non-operational state before going back to the 'operational (9)' state again. Note that a transition to the 'linkFault (2)' state does not cause tmnxDot3OamHoldTime to be used if dot3OamOperStatus was previously in the 'operational (9)' state.

Table 54-21 Ignore EFM State

Name	Value
Displayed name	Ignore EFM State
OSS name	ignoreEfmState
Type	BOOL

(1 of 2)

Name	Value
Default	false
Mandatory on creation	no
Tab|Panel	General|general
Description	The value of tmnxDot3OamIgnoreEfmState specifies whether the efm-oam status (dot3OamOperStatus) on a port will affect the operational state of the port it is running on when efm-oam is enabled. If tmnxDot3OamIgnoreEfmState is set to 'true' then efm-oam status will have no effect on the port state.

(2 of 2)

Table 54-22 Information Rx

Name	Value
Displayed name	Information Rx
OSS name	dot3OamInformationRx
Type	INT
Default	0
Units	OAMPDUs
Tab|Panel	General|statistics
Description	A count of the number of Information OAMPDUs received on this interface.

Table 54-23 Information Tx

Name	Value
Displayed name	Information Tx
OSS name	dot3OamInformationTx
Type	INT
Default	0
Units	OAMPDUs
Tab|Panel	General|statistics
Description	A count of the number of Information OAMPDUs transmitted on this interface. Discontinuities of this counter can occur at re-initialization of the management system, and at other times as indicated by the value of the ifCounterDiscontinuityTime.

Table 54-24 L1-Ping Status

Name	Value
Displayed name	L1-Ping Status

(1 of 2)

Name	Value
OSS name	l1PingStatus
Type	ethernetequipment.Dot3OamL1PingStatus
Default	Default
Tab|Panel	General|l1Ping
Enumerated types	
Default	
Successful	
Unsuccessful	
Running	
Start	

(2 of 2)

Table 54-25 Log-history

Name	Value
Displayed name	Log-history
OSS name	clearLogs
Type	ethernetequipment.Dot3OamReset
Default	Default
Tab|Panel	General|general
Description	Reset all event logs corresponding to this port By default, this objects contains a zero value
Enumerated types	
Default	
Reset	

Table 54-26 Loopback Control Rx

Name	Value
Displayed name	Loopback Control Rx
OSS name	dot3OamLoopbackControlRx
Type	INT
Default	0
Units	OAMPDUs
Tab|Panel	General|statistics
Description	A count of the number of Loopback Control OAMPDUs received on this interface.

Table 54-27 Loopback Control Tx

Name	Value
Displayed name	Loopback Control Tx
OSS name	dot3OamLoopbackControlTx
Type	INT
Default	0
Units	OAMPDUs
Tab|Panel	General|statistics
Description	A count of the number of Loopback Control OAMPDUs transmitted on this interface.

Table 54-28 Loopback Status

Name	Value
Displayed name	Loopback Status
OSS name	dot3OamLoopbackStatus
Type	ethernetequipment.Dot3LoopbackStatus
Default	No Loopback
Tab|Panel	General|general
Description	The loopback status of the OAM entity. This status is determined by a combination of the local parser and multiplexer states, the remote parser and multiplexer states, as well as by the actions of the local OAM client. When operating in normal mode with no loopback in progress, the status reads noLoopback(1). The values initiatingLooopback(2) and terminatingLoopback(4) can be read or written. The other values can only be read - they can never be written. Writing initiatingLoopback causes the local OAM entity to start the loopback process with its peer. This value can only be written when the status is noLoopback(1). Writing the value initiatingLoopback(2) in any other state has no effect. When in remoteLoopback(3), writing terminatingLoopback(4) causes the local OAM entity to initiate the termination of the loopback state. Writing terminatingLoopack(4) in any other state has no effect. If the OAM client initiates a loopback and has sent an Loopback OAMPDU and is waiting for a response, where the local parser and multiplexer states are DISCARD (see [802.3ah, 57.2.11.1]), the status is 'initiatingLoopback'. In this case, the local OAM entity has yet to receive any acknowledgement that the remote OAM entity has received its loopback command request. If the local OAM client knows that the remote OAM entity is in loopback mode (via the remote state information as described in [802.3ah, 57.2.11.1, 30.3.6.1.15]), the status is remoteLoopback(3). If the local OAM client is in the process of terminating the remote loopback [802.3ah, 57.2.11.3, 30.3.6.1.14], with its local multiplexer and parser states in DISCARD, the status is terminatingLoopback(4). If the remote OAM client has put the local OAM entity in loopback mode as indicated by its local parser state, the status is localLoopback(5). The unknown(6) status indicates the parser and multiplexer combination is unexpected. This status may be returned if the OAM loopback is in a transition state but should not persist.
Enumerated types	
Initiating Loopback	
Local Loopback	
No Loopback	

(1 of 2)

Name	Value
Remote Loopback	
Terminating Loopback	
Unknown	

(2 of 2)

Table 54-29 Loop Detected

Name	Value
Displayed name	Loop Detected
OSS name	dot3OamLooped
Type	BOOL
Default	false
Tab|Panel	General|general
Description	Indicates if the OAM entity is receiving OAMPDUs that it transmitted. A value of 'true'indicates that the OAM entity is receiving it's own OAMPDUs while a value of 'false' indicates it is not.

Table 54-30 Max. PDU Size

Name	Value
Displayed name	Max. PDU Size
OSS name	dot3OamMaxOamPduSize
Type	INT
Minimum	64
Maximum	1518
Default	1514
Tab|Panel	General|general
Description	The largest OAMPDU that the OAM entity supports. OAM entities exchange maximum OAMPDU sizes and negotiate to use the smaller of the two maximum OAMPDU sizes between the peers. This value is determined by the local implementation.

Table 54-31 Mode

Name	Value
Displayed name	Mode
OSS name	dot3OamMode
Type	ethernetequipment.Dot3OamMode

(1 of 2)

Name	Value
Default	Active
Tab|Panel	General|general
Description	This object configures the mode of OAM operation for this Ethernet like interface. OAM on Ethernet interfaces may be in 'active' mode or 'passive' mode. These two modes differ in that active mode provides additional capabilities to initiate monitoring activities with the remote OAM peer entity, while passive mode generally waits for the peer to initiate OAM actions with it. As an example, an active OAM entity can put the remote OAM entity in a loopback state, where a passive OAM entity cannot. The default value of dot3OamMode is dependent on the type of system on which this Ethernet like interface resides. The default value should be 'active(1)' unless it is known that this system should take on a subservient role to the other device connected over this interface. Changing this value results in incrementing the configuration revision field of locally generated OAMPDUs (30.3.6.1.12) and potentially re-doing the OAM discovery process if the dot3OamOperStatus was already operational(9).
Enumerated types	
Active	
Passive	

(2 of 2)

Table 54-32 Multiplier

Name	Value
Displayed name	Multiplier
OSS name	dot3OamMultiplier
Type	INT
Minimum	2
Maximum	5
Default	5
Units	Intervals
Mandatory on creation	no
Tab|Panel	General|general
Description	The value of this property indicates how many receive intervals may expire with no OAMPDU receive. After the configured number of intervals with OAMPDU receive have passed, the OAM negotiation process will restart

Table 54-33 Near-end Errored Symbols Rx

Name	Value
Displayed name	Near-end Errored Symbols Rx
OSS name	dot3OamRxNrNearEndErroredSymbols
Type	LONG
Default	0

(1 of 2)

Name	Value
Tab|Panel	General|statistics

(2 of 2)

Table 54-34 Notify

Name	Value
Displayed name	Notify
OSS name	dot3OamErrFrameEvNotifEnable
Type	BOOL
Default	true
Mandatory on creation	no
Tab|Panel	General|linkEvent
Description	If true, the OAM entity should send an Event Notification OAMPDU when an Errored Frame Event occurs. By default, this object should have the value true for Ethernet-like interfaces that support OAM. If the OAM layer does not support Event Notifications (as indicated via the dot3OamFunctionsSupported attribute), this value is ignored.

Table 54-35 Number of Frames

Name	Value
Displayed name	Number of Frames
OSS name	l1PingFrames
Type	INT
Minimum	1
Maximum	20
Default	5
Mandatory on creation	no
Tab|Panel	General|l1Ping
Description	This object is used to set the number of frames to be transmitted from the interface during L1 ping

Table 54-36 Operational Status

Name	Value
Displayed name	Operational Status
OSS name	dot3OamOperStatus
Type	ethernetequipment.Dot3OamOperStatus

(1 of 2)

Name	Value
Default	N/A
Tab|Panel	General|general
Description	At initialization and failure conditions, two OAM entities on the same full-duplex Ethernet link begin a discovery phase to determine what OAM capabilities may be used on that link. The progress of this initialization is controlled by the OAM sublayer. This value is always disabled(1) if OAM is disabled on this interface via the dot3OamAdminState. If the link has detected a fault and is transmitting OAMPDUs with a link fault indication, the value is linkFault(2). Also, if the interface is not operational (ifOperStatus is not up(1)), linkFault(2) is returned. Note that the object ifOperStatus may not be up(1) as a result of link failure or administrative action (ifAdminState being down(2) or testing(3)). The passiveWait(3) state is returned only by OAM entities in passive mode (dot3OamMode) and reflects the state in which the OAM entity is waiting to see if the peer device is OAM capable. The activeSendLocal(4) value is used by active mode devices (dot3OamMode) and reflects the OAM entity actively trying to discover whether the peer has OAM capability but has not yet made that determination. The state sendLocalAndRemote(5) reflects that the local OAM entity has discovered the peer but has not yet accepted or rejected the configuration of the peer. The local device can, for whatever reason, decide that the peer device is unacceptable and decline OAM peering. If the local OAM entity rejects the peer OAM entity, the state becomes oamPeeringLocallyRejected(7). If the OAM peering is allowed by the local device, the state moves to sendLocalAndRemoteOk(6). Note that both the sendLocalAndRemote(5) and oamPeeringLocallyRejected(7) states fall within the state SEND_LOCAL_REMOTE of the Discovery state diagram [802.3ah, Figure 57-5], with the difference being whether the local OAM client has actively rejected the peering or has just not indicated any decision yet. Whether a peering decision has been made is indicated via the local flags field in the OAMPDU (reflected in the aOAMLocalFlagsField of 30.3.6.1.10). If the remote OAM entity rejects the peering, the state becomes oamPeeringRemotelyRejected(8). Note that both the sendLocalAndRemoteOk(6) and oamPeeringRemotelyRejected(8) states fall within the state SEND_LOCAL_REMOTE_OK of the Discovery state diagram [802.3ah, Figure 57-5], with the difference being whether the remote OAM client has rejected the peering or has just not yet decided. This is indicated via the remote flags field in the OAM PDU (reflected in the aOAMRemoteFlagsField of 30.3.6.1.11). When the local OAM entity learns that both it and the remote OAM entity have accepted the peering, the state moves to operational(9) corresponding to the SEND_ANY state of the Discovery state diagram [802.3ah, Figure 57-5]. Since Ethernet OAM functions are not designed to work completely over half-duplex interfaces, the value nonOperHalfDuplex(10) is returned whenever Ethernet OAM is enabled (dot3OamAdminState is enabled(1)) but the interface is in half-duplex operation.

Enumerated types
Active Send Local
Disabled
Link Fault
Non Operational HalfDuplex
N/A
OAM Peering Locally Rejected
OAM Peering Remotely Rejected
Operational
Passive Wait
Send Local And Remote
Send Local And Remote Ok

(2 of 2)

Table 54-37 Peer Configuration Revision

Name	Value
Displayed name	Peer Configuration Revision
OSS name	dot3OamPeerConfigRevision
Type	INT
Tab|Panel	General|peer
Description	The configuration revision of the OAM peer as reflected in the latest OAMPDU. This attribute is changed by the peer whenever it has a local configuration change for Ethernet OAM this interface. The configuration revision can be determined from the Revision field of the Local Information TLV of the most recently received Information OAMPDU with a Local Information TLV. A value of zero is returned if no Local Information TLV has been received.

Table 54-38 Peer Functions Supported

Name	Value
Displayed name	Peer Functions Supported
OSS name	dot3OamPeerFunctSupported
Type	ethernetequipment.Dot3OamFunctionsSupported
Tab|Panel	General|peer
Description	The OAM functions supported on this Ethernet like interface. OAM consists of separate functionality sets above the basic discovery process. This value indicates the capabilities of the peer OAM entity with respect to these functions. This value is initialized so all bits are clear. If unidirectionalSupport(0) is set, then the peer OAM entity supports sending OAM frames on Ethernet interfaces when the receive path is known to be inoperable. If loopbackSupport(1) is set, then the peer OAM entity can send and receive OAM loopback commands. If eventSupport(2) is set, then the peer OAM entity can send and receive event OAMPDUs to signal various error conditions. If variableSupport(3) is set, then the peer OAM entity can send and receive variable requests to monitor attribute value as described in Clause 57 of [802.3ah]. The capabilities of the OAM peer can be determined from the configuration field of the Local Information TLV of the most recently received Information OAMPDU with a Local Information TLV. All zeros are returned if no Local Information TLV has yet been received.
Enumerated types	
Event Support	
Loopback Support	
Unidirectional Support	
Variable Support	

Table 54-39 Peer Grace Rx

Name	Value
Displayed name	Peer Grace Rx

(1 of 2)

Name	Value
OSS name	peerGraceRx
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|peer
Description	The value of tmnxDot3OamPeerGraceRx indicates that the OAM entity is receiving 'grace-period' notifications through this peer.

(2 of 2)

Table 54-40 Peer MAC Address

Name	Value
Displayed name	Peer MAC Address
OSS name	dot3OamPeerMacAddress
Type	MACADDR
Tab|Panel	General|peer
Description	The MAC address of the peer OAM entity. The MAC address is derived from the most recently received OAMPDU

Table 54-41 Peer Max PDU Size

Name	Value
Displayed name	Peer Max PDU Size
OSS name	dot3OamPeerMaxOamPduSize
Type	INT
Tab|Panel	General|peer
Description	The maximum size of OAMPDU supported by the peer as reflected in the latest Information OAMPDU received with a Local Information TLV. Ethernet OAM on this interface must not use OAMPDUs that exceed this size. The maximum OAMPDU size can be determined from the PDU Configuration field of the Local Information TLV of the last Information OAMPDU received from the peer. A value of zero is returned if no Local Information TLV has been received. Otherwise, the value of the OAM peer's maximum OAMPDU size is returned in this value. Note that the values 1..63 are invalid sizes for Ethernet frames and should never appear.

Table 54-42 Peer Mode

Name	Value
Displayed name	Peer Mode
OSS name	dot3OamPeerMode

(1 of 2)

Name	Value
Type	ethernetequipment.PeerDot3OamMode
Default	Unknown
Tab|Panel	General|peer
Description	The mode of the OAM peer as reflected in the latest Information OAMPDU received with a Local Information TLV. The mode of the peer can be determined from the Configuration field in the Local Information TLV of the last Information OAMPDU received from the peer. The value is unknown(3) whenever no Local Information TLV has been received. The values of active(1) and passive(2) are returned when a Local Information TLV has been received indicating the peer is in active or passive mode, respectively.
Enumerated types	
Active	
Passive	
Unknown	

(2 of 2)

Table 54-43 Peer Vendor Info

Name	Value
Displayed name	Peer Vendor Info
OSS name	dot3OamPeerVendorInfo
Type	STRING
Maximum	64
Tab|Panel	General|peer
Description	The Vendor Info of the OAM peer as reflected in the latest Information OAMPDU received with a Local Information TLV. The vendor information field is within the Local Information TLV, and can be used to determine additional information about the peer entity. The format of the vendor information is unspecified within the 32-bit field. This value is initialized to zero before any Local Information TLV is received.

Table 54-44 Peer Vendor OUI

Name	Value
Displayed name	Peer Vendor OUI
OSS name	dot3OamPeerVendorOui
Type	STRING
Maximum	64
Tab|Panel	General|peer
Description	The OUI of the OAM peer as reflected in the latest Information OAMPDU received with a Local Information TLV. The OUI can be used to identify the vendor of the remote OAM entity. This value is initialized to zero before any Local Information TLV is received.

Table 54-45 Period Notify

Name	Value
Displayed name	Period Notify
OSS name	dot3OamErrFramePeriodEvNotifEnable
Type	BOOL
Default	true
Mandatory on creation	no
Tab|Panel	General|linkEvent
Description	If true, the OAM entity should send an Event Notification OAMPDU when an Errored Frame Period Event occurs. By default, this object should have the value true for Ethernet-like interfaces that support OAM. If the OAM layer does not support Event Notifications (as indicated via the dot3OamFunctionsSupported attribute), this value is ignored.

Table 54-46 Period Threshold

Name	Value
Displayed name	Period Threshold
OSS name	dot3OamErrFramePeriodThreshold
Type	LONG
Minimum	1
Maximum	4294967295
Default	1
Units	frames
Mandatory on creation	no
Tab|Panel	General|linkEvent
Description	The number of frame errors that must occur for this event to be triggered. The default value is one frame error. If the threshold value is zero, then an Event Notification OAMPDU is sent periodically (at the end of every window). This can be used as an asynchronous notification to the peer OAM entity of the statistics related to this threshold crossing alarm. If dot3OamErrFramePeriodThreshold frame errors occur within a window of dot3OamErrFramePeriodWindow frames, an Event Notification OAMPDU should be generated with an Errored Frame Period Event TLV indicating that the threshold has been crossed in this window.

Table 54-47 Received Remote Loopback Requests

Name	Value
Displayed name	Received Remote Loopback Requests
OSS name	dot3OamLoopbackIgnoreRx
Type	INT

(1 of 2)

Name	Value
Default	1
Tab|Panel	General|general
Description	Since OAM loopback is a disruptive operation (user traffic does not pass), this attribute provides a mechanism to provide controls over whether received OAM loopback commands are processed or ignored. When the value is ignore(1), received loopback commands are ignored. When the value is process(2), OAM loopback commands are processed. The default value is to ignore loopback commands (ignore(1)).

(2 of 2)

Table 54-48 Seconds Summary Notify

Name	Value
Displayed name	Seconds Summary Notify
OSS name	dot3OamErrFrameSecsEvNotifEnable
Type	BOOL
Default	true
Mandatory on creation	no
Tab|Panel	General|linkEvent
Description	If true, the local OAM entity should send an Event Notification OAMPDU when an Errored Frame Seconds Event occurs. By default, this object should have the value true for Ethernet-like interfaces that support OAM. If the OAM layer does not support Event Notifications (as indicated via the dot3OamFunctionsSupported attribute), this value is ignored.

Table 54-49 Seconds Summary Threshold

Name	Value
Displayed name	Seconds Summary Threshold
OSS name	dot3OamErrFrameSecsSummaryThreshold
Type	INT
Minimum	1
Maximum	900
Default	1
Units	framesec
Mandatory on creation	no
Tab|Panel	General|linkEvent

(1 of 2)

Name	Value
Description	The number of errored frame seconds that must occur for this event to be triggered. The default value is one errored frame second. If the threshold value is zero, then an Event Notification OAMPDU is sent periodically (at the end of every window). This can be used as an asynchronous notification to the peer OAM entity of the statistics related to this threshold crossing alarm. If dot3OamErrFrameSecsSummaryThreshold frame errors occur within a window of dot3OamErrFrameSecsSummaryWindow (in tenths of seconds), an Event Notification OAMPDU should be generated with an Errored Frame Seconds Summary Event TLV indicating that the threshold has been crossed in this window.

(2 of 2)

Table 54-50 Set Local Loopback

Name	Value
Displayed name	Set Local Loopback
OSS name	dot3OamLoopbackLocalStatus
Type	INT
Default	1
Mandatory on creation	no
Tab|Panel	General|general
Description	The value of this property indicates the local loopback status of the OAM entity. This attribute allows the user to manually set the local OAM entity loopback mode overriding the 802.3ah protocol for loopback. Setting the value to 'localLoopback' can only be done if dot3OamLoopbackStatus is set to 'noLoopback'. If dot3OamLoopbackStatus is any value other than 'noLoopback', the changes to dot3OamLoopbackLocalStatus will have no effect. If dot3OamLoopbackStatus is set to 'localLoopback', the OAM entity will act as if its peer put the OAM entity into local loopback. This entry allows the user to put an OAM entity into local loopback mode, even if dot3OamLoopbackIgnoreRx is set to 'ignore'.

Table 54-51 Set Remote Loopback

Name	Value
Displayed name	Set Remote Loopback
OSS name	dot3Actions
Type	BOOL
Default	false
Tab|Panel	General|general

(1 of 2)

Name	Value
Description	The loopback status of the OAM entity. This status is determined by a combination of the local parser and multiplexer states, the remote parser and multiplexer states, as well as by the actions of the local OAM client. When operating in normal mode with no loopback in progress, the status reads noLoopback(1). The values initiatingLooopback(2) and terminatingLoopback(4) can be read or written. The other values can only be read - they can never be written. Writing initiatingLoopback causes the local OAM entity to start the loopback process with its peer. This value can only be written when the status is noLoopback(1). Writing the value initiatingLoopback(2) in any other state has no effect. When in remoteLoopback(3), writing terminatingLoopback(4) causes the local OAM entity to initiate the termination of the loopback state. Writing terminatingLoopack(4) in any other state has no effect. If the OAM client initiates a loopback and has sent an Loopback OAMPDU and is waiting for a response, where the local parser and multiplexer states are DISCARD (see [802.3ah, 57.2.11.1]), the status is 'initiatingLoopback'. In this case, the local OAM entity has yet to receive any acknowledgement that the remote OAM entity has received its loopback command request. If the local OAM client knows that the remote OAM entity is in loopback mode (via the remote state information as described in [802.3ah, 57.2.11.1, 30.3.6.1.15]), the status is remoteLoopback(3). If the local OAM client is in the process of terminating the remote loopback [802.3ah, 57.2.11.3, 30.3.6.1.14], with its local multiplexer and parser states in DISCARD, the status is terminatingLoopback(4). If the remote OAM client has put the local OAM entity in loopback mode as indicated by its local parser state, the status is localLoopback(5). The unknown(6) status indicates the parser and multiplexer combination is unexpected. This status may be returned if the OAM loopback is in a transition state but should not persist.

(2 of 2)

Table 54-52 Start L1-Ping

Name	Value
Displayed name	Start L1-Ping
OSS name	l1PingStart
Type	BOOL
Default	false
Tab|Panel	General|l1Ping
Description	This object is used to trigger l1-Ping from SAM.

Table 54-53 Statistics

Name	Value
Displayed name	Statistics
OSS name	clearStats
Type	ethernetequipment.Dot3OamReset
Default	Default
Tab|Panel	General|general
Description	Reset all statistics parameters corresponding to this port By default, this objects contains a zero value

(1 of 2)

Name	Value
Enumerated types	
Default	
Reset	

(2 of 2)

Table 54-54 Threshold

Name	Value
Displayed name	Threshold
OSS name	dot3OamErrFrameThreshold
Type	LONG
Minimum	1
Maximum	4294967295
Default	1
Units	frames
Mandatory on creation	no
Tab|Panel	General|linkEvent
Description	The number of frame errors that must occur for this event to be triggered. The default value is one frame error. If the threshold value is zero, then an Event Notification OAMPDU is sent periodically (at the end of every window). This can be used as an asynchronous notification to the peer OAM entity of the statistics related to this threshold crossing alarm. If dot3OamErrFrameThreshold frame errors occur within a window of dot3OamErrFrameWindow (in tenths of seconds), an Event Notification OAMPDU should be generated with an Errored Frame Event TLV indicating the threshold has been crossed in this window.

Table 54-55 Transmit Interval

Name	Value
Displayed name	Transmit Interval
OSS name	dot3OamInterval
Type	INT
Minimum	1
Maximum	600
Default	10
Units	x100ms
Mandatory on creation	no
Tab|Panel	General|general

(1 of 2)

Name	Value
Description	The value of this property indicates the number of 100ms time intervals between each periodic OAMPDU transmit and receive. A lower value implies that OAMPDUs will be transmitted more frequently to the peer, and OAMPDUs must be received more frequently from the peer. The default is set to 10, meaning 1 second between transmits and receives

(2 of 2)

Table 54-56 Tunneling

Name	Value
Displayed name	Tunneling
OSS name	dot3OamTunneling
Type	BOOL
Default	false
Mandatory on creation	no
Tab|Panel	General|general
Description	The value of this property indicates if OAMPDUs should be passed transparently through the OAM entity for processing by another OAM entity across the network, or if OAMPDUs should be terminated and processed at the local OAM entity. This object can only be set to 'true' if dot3OamAdminState is set to 'disabled'. Likewise, dot3OamAdminState can only be set to 'enabled' if this object is set to 'false'. It is not valid to try and enable both OAMPDU processing and OAMPDU tunneling on the same OAM entity.

Table 54-57 Unique Event Rx

Name	Value
Displayed name	Unique Event Rx
OSS name	dot3OamUniqueEventNotificationRx
Type	INT
Default	0
Units	OAMPDUs
Tab|Panel	General|statistics
Description	A count of the number of unique Event OAMPDUs received on this interface

Table 54-58 Unique Event Tx

Name	Value
Displayed name	Unique Event Tx
OSS name	dot3OamUniqueEventNotificationTx

(1 of 2)

Name	Value
Type	INT
Default	0
Units	OAMPDUs
Tab|Panel	General|statistics
Description	A count of the number of unique Event OAMPDUs transmitted on this interface.

(2 of 2)

Table 54-59 Unsupported Codes Rx

Name	Value
Displayed name	Unsupported Codes Rx
OSS name	dot3OamUnsupportedCodesRx
Type	INT
Default	0
Units	OAMPDUs
Tab|Panel	General|statistics
Description	A count of the number of OAMPDUs received on this interface with an unsupported op-code.

Table 54-60 Unsupported Codes Tx

Name	Value
Displayed name	Unsupported Codes Tx
OSS name	dot3OamUnsupportedCodesTx
Type	INT
Default	0
Units	OAMPDUs
Tab|Panel	General|statistics
Description	A count of the number of OAMPDUs transmitted on this interface with an unsupported op-code.

55 — IEEE 1588 PTP Clock

Table 55-1 IEEE 1588 PTP Clock parameters

Parameters	
Accuracy	Domain
Admin State	Dynamic Peers
Clock Accuracy	Forward Weight
Clock Announce Interval	Frequency Source
Clock Announce Rx Timeout	Frequency Traceable
Clock Class	GM Clock Accuracy
Clock Class	GM Clock Class
Clock Enabled	GM Clock Id
Clock ID	GM Clock Priority1
Clock ID	GM Clock Priority2
Clock ID	GM Clock Variance
Clock Index	Grandmaster Clock Accuracy
Clock MDA	Grandmaster Clock Class
Clock Priority 1	Grandmaster Clock ID
Clock Priority 2	Grandmaster Offset Scaled Log Variance
Clock Slave Only	Grandmaster Priority 1
Clock State	Grandmaster Priority 2
Clock Synchronization State	Leap 59
Clock Time Reference Priority	Leap 61
Clock Type	Locked PTP Port
Clock Variance	Log sync interval
Current Time	Mean Path Delay
Current UTC Offset	Network Type
Current UTC Offset Valid	Number of Ports
Domain	Number of PTP Ports

(1 of 2)

Parameters	
Offset From Master	PTP Profile
Offset Scaled Log Variance	PTP Timescale
Offset Scaled Log Variance	PTP Time Source
Parent Clock Address	Reverse Weight
Parent Clock Address Type	Site ID
Parent Clock ID	Source Interface
Parent Port Number	Statistics Collected
Peer Limit	Steps Removed
Phase Change Rate	Time Traceable
Priority 1	Two Step
Priority 2	Two-Step Flag
PTP Port	

(2 of 2)

Table 55-2 Accuracy

Name	Value
Displayed name	Accuracy
OSS name	clockAccuracy
Type	INT
Read-only	yes
Tab|Panel	General|General

Table 55-3 Admin State

Name	Value
Displayed name	Admin State
OSS name	clockAdminState
Type	ptp.AluPtpClockAdminState
Default	3
Tab|Panel	General|General
Enumerated types	
Enabled	
Noop	
Disabled	

Table 55-4 Clock Accuracy

Name	Value
Displayed name	Clock Accuracy
OSS name	clockAccuracy
Type	INT
Read-only	yes
Tab|Panel	General|Default Data Set Attributes

Table 55-5 Clock Announce Interval

Name	Value
Displayed name	Clock Announce Interval
OSS name	ptpClockAnnounceInterval
Type	INT
Minimum	-3
Maximum	4
Default	1
Tab|Panel	General|General

Table 55-6 Clock Announce Rx Timeout

Name	Value
Displayed name	Clock Announce Rx Timeout
OSS name	ptpClockAnnoRxTimeout
Type	INT
Minimum	2
Maximum	10
Default	3
Tab|Panel	General|General

Table 55-7 Clock Class

Name	Value
Displayed name	Clock Class
OSS name	clockClass

(1 of 2)

Name	Value
Type	INT
Read-only	yes
Tab|Panel	General|Default Data Set Attributes

(2 of 2)

Table 55-8 Clock Class

Name	Value
Displayed name	Clock Class
OSS name	clockClass
Type	INT
Read-only	yes
Tab|Panel	General|General

Table 55-9 Clock Enabled

Name	Value
Displayed name	Clock Enabled
OSS name	clockEnabled
Type	ptp.PtpClockEnabled
Tab|Panel	General|Default Data Set Attributes
Enumerated types	
No	
Yes	

Table 55-10 Clock ID

Name	Value
Displayed name	Clock ID
OSS name	ptpClockId
Type	STRING
Read-only	yes
Tab|Panel	General|Default Data Set Attributes

Table 55-11 Clock ID

Name	Value
Displayed name	Clock ID
OSS name	ptpClockId
Type	STRING
Read-only	yes
Tab|Panel	General|General

Table 55-12 Clock ID

Name	Value
Displayed name	Clock ID
OSS name	clockParentId
Type	STRING
Read-only	yes
Tab|Panel	General|Parent Clock Data Set Attributes

Table 55-13 Clock Index

Name	Value
Displayed name	Clock Index
OSS name	clockId
Type	INT
Minimum	1
Maximum	16
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	Specifies IEEE 1588 PTP clock.

Table 55-14 Clock MDA

Name	Value
Displayed name	Clock MDA
OSS name	clockHwPointer

(1 of 2)

Name	Value
Type	POINTER
Tab|Panel	General|General

(2 of 2)

Table 55-15 Clock Priority 1

Name	Value
Displayed name	Clock Priority 1
OSS name	clockPriority1
Type	LONG
Minimum	0
Maximum	255
Default	128
Tab|Panel	General|General

Table 55-16 Clock Priority 2

Name	Value
Displayed name	Clock Priority 2
OSS name	clockPriority2
Type	LONG
Minimum	0
Maximum	255
Default	128
Tab|Panel	General|General

Table 55-17 Clock Slave Only

Name	Value
Displayed name	Clock Slave Only
OSS name	clockSlave
Type	BOOL
Default	true
Tab|Panel	General|General

Table 55-18 Clock State

Name	Value
Displayed name	Clock State
OSS name	clockRecoveryState
Type	ptp.Alu1588PtpPortRecoveredClockState
Read-only	yes
Tab|Panel	General|Current Data Set Attributes
Enumerated types	
Acquiring	
Free Run	
Holdover	
Locked	
Phase Tracking	
Unknown	

Table 55-19 Clock Synchronization State

Name	Value
Displayed name	Clock Synchronization State
OSS name	clockRecoveryState
Type	ptp.Alu1588PtpPortRecoveredClockState
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Acquiring	
Free Run	
Holdover	
Locked	
Phase Tracking	
Unknown	

Table 55-20 Clock Time Reference Priority

Name	Value
Displayed name	Clock Time Reference Priority
OSS name	clockTimeRefPriority

(1 of 2)

Name	Value
Type	LONG
Minimum	0
Maximum	16
Default	0
Tab|Panel	General|General

(2 of 2)

Table 55-21 Clock Type

Name	Value
Displayed name	Clock Type
OSS name	clockType
Type	ptp.Alu1588PtpClockType
Default	2
Tab|Panel	General|General
Enumerated types	
Boundary	
Transparent-E2E	
Ordinary	
Ordinary, Master	
Ordinary, Slave	

Table 55-22 Clock Variance

Name	Value
Displayed name	Clock Variance
OSS name	clockVariance
Type	LONG
Read-only	yes
Tab|Panel	General|General

Table 55-23 Current Time

Name	Value
Displayed name	Current Time
OSS name	currentTime

(1 of 2)

Name	Value
Type	STRING
Units	seconds.ns
Read-only	yes
Tab|Panel	General|Current Data Set Attributes

(2 of 2)

Table 55-24 Current UTC Offset

Name	Value
Displayed name	Current UTC Offset
OSS name	currentUTCOffset
Type	INT
Units	seconds
Read-only	yes
Tab|Panel	General|Time Information

Table 55-25 Current UTC Offset Valid

Name	Value
Displayed name	Current UTC Offset Valid
OSS name	currentUtcOffsetValid
Type	ptp.PtpClockAttributesTriState
Read-only	yes
Tab|Panel	General|Time Information
Enumerated types	
No	
Unknown	
Yes	

Table 55-26 Domain

Name	Value
Displayed name	Domain
OSS name	clockDomain
Type	LONG
Minimum	0

(1 of 2)

Name	Value
Maximum	127
Default	0
Tab|Panel	General|Default Data Set Attributes

(2 of 2)

Table 55-27 Domain

Name	Value
Displayed name	Domain
OSS name	clockDomain
Type	LONG
Minimum	0
Maximum	127
Default	0
Tab|Panel	General|General

Table 55-28 Dynamic Peers

Name	Value
Displayed name	Dynamic Peers
OSS name	clockDynamicPeers
Type	BOOL
Default	false
Tab|Panel	General|General

Table 55-29 Forward Weight

Name	Value
Displayed name	Forward Weight
OSS name	clockForwardWeight
Type	INT
Default	no
Read-only	yes
Tab|Panel	General|General

Table 55-30 Frequency Source

Name	Value
Displayed name	Frequency Source
OSS name	clockAdminFreqSource
Type	ptp.PtpClockAdminFreqSource
Default	0
Tab|Panel	General|General
Enumerated types	
Ptp	
Ssu	
Unknown	

Table 55-31 Frequency Traceable

Name	Value
Displayed name	Frequency Traceable
OSS name	frequencyTraceable
Type	ptp.PtpClockAttributesTriState
Read-only	yes
Tab|Panel	General|Time Information
Enumerated types	
No	
Unknown	
Yes	

Table 55-32 GM Clock Accuracy

Name	Value
Displayed name	GM Clock Accuracy
OSS name	clockGMAccuracy
Type	LONG
Read-only	yes
Tab|Panel	General|Parent Clock

Table 55-33 GM Clock Class

Name	Value
Displayed name	GM Clock Class
OSS name	clockGMClass
Type	LONG
Units	sec
Read-only	yes
Tab|Panel	General|Parent Clock

Table 55-34 GM Clock Id

Name	Value
Displayed name	GM Clock Id
OSS name	clockGMClockId
Type	STRING
Read-only	yes
Tab|Panel	General|Parent Clock

Table 55-35 GM Clock Priority1

Name	Value
Displayed name	GM Clock Priority1
OSS name	clockGMPriority1
Type	LONG
Read-only	yes
Tab|Panel	General|Parent Clock

Table 55-36 GM Clock Priority2

Name	Value
Displayed name	GM Clock Priority2
OSS name	clockGMPriority2
Type	LONG
Read-only	yes
Tab|Panel	General|Parent Clock

Table 55-37 GM Clock Variance

Name	Value
Displayed name	GM Clock Variance
OSS name	clockGMVariance
Type	LONG
Read-only	yes
Tab|Panel	General|Parent Clock

Table 55-38 Grandmaster Clock Accuracy

Name	Value
Displayed name	Grandmaster Clock Accuracy
OSS name	clockGMAccuracy
Type	LONG
Read-only	yes
Tab|Panel	General|Parent Clock Data Set Attributes

Table 55-39 Grandmaster Clock Class

Name	Value
Displayed name	Grandmaster Clock Class
OSS name	clockGMClass
Type	LONG
Units	sec
Read-only	yes
Tab|Panel	General|Parent Clock Data Set Attributes

Table 55-40 Grandmaster Clock ID

Name	Value
Displayed name	Grandmaster Clock ID
OSS name	clockGMClockId
Type	STRING
Read-only	yes
Tab|Panel	General|Parent Clock Data Set Attributes

Table 55-41 Grandmaster Offset Scaled Log Variance

Name	Value
Displayed name	Grandmaster Offset Scaled Log Variance
OSS name	clockGMVariance
Type	LONG
Read-only	yes
Tab|Panel	General|Parent Clock Data Set Attributes

Table 55-42 Grandmaster Priority 1

Name	Value
Displayed name	Grandmaster Priority 1
OSS name	clockGMPriority1
Type	LONG
Read-only	yes
Tab|Panel	General|Parent Clock Data Set Attributes

Table 55-43 Grandmaster Priority 2

Name	Value
Displayed name	Grandmaster Priority 2
OSS name	clockGMPriority2
Type	LONG
Read-only	yes
Tab|Panel	General|Parent Clock Data Set Attributes

Table 55-44 Leap 59

Name	Value
Displayed name	Leap 59
OSS name	leap59
Type	ptp.PtpClockAttributesTriState
Read-only	yes
Tab|Panel	General|Time Information
Enumerated types	

(1 of 2)

Name	Value
No	
Unknown	
Yes	

(2 of 2)

Table 55-45 Leap 61

Name	Value
Displayed name	Leap 61
OSS name	leap61
Type	ptp.PtpClockAttributesTriState
Read-only	yes
Tab|Panel	General|Time Information
Enumerated types	
No	
Unknown	
Yes	

Table 55-46 Locked PTP Port

Name	Value
Displayed name	Locked PTP Port
OSS name	lockedPtpPort
Type	INT
Read-only	yes
Tab|Panel	General|Current Data Set Attributes

Table 55-47 Log sync interval

Name	Value
Displayed name	Log sync interval
OSS name	logSyncInterval
Type	LONG
Minimum	-6
Maximum	-3
Default	-6

(1 of 2)

Name	Value
Tab|Panel	General|General
Description	Specifies the packet request rate for clock synchronization packets from the master clock. A value of -3 = 8 packets per second (pps), -4 = 16 pps, -5 = 32 pps, and -6 = 64 pps. The -6 option is recommended when PTP is selected as the first timing reference.

(2 of 2)

Table 55-48 Mean Path Delay

Name	Value
Displayed name	Mean Path Delay
OSS name	meanPathDelay
Type	INT
Units	ns
Read-only	yes
Tab|Panel	General|Current Data Set Attributes

Table 55-49 Network Type

Name	Value
Displayed name	Network Type
OSS name	clockNetworkType
Type	ptp.PtpClockNetworkType
Default	2
Tab|Panel	General|General
Enumerated types	
SDH	
SONET	

Table 55-50 Number of Ports

Name	Value
Displayed name	Number of Ports
OSS name	clockNumberPorts
Type	INT
Default	no
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|General

(2 of 2)

Table 55-51 Number of PTP Ports

Name	Value
Displayed name	Number of PTP Ports
OSS name	clockNumberPorts
Type	INT
Default	no
Read-only	yes
Tab|Panel	General|Default Data Set Attributes

Table 55-52 Offset From Master

Name	Value
Displayed name	Offset From Master
OSS name	offsetFromMaster
Type	INT
Units	ns
Read-only	yes
Tab|Panel	General|Current Data Set Attributes

Table 55-53 Offset Scaled Log Variance

Name	Value
Displayed name	Offset Scaled Log Variance
OSS name	clockVariance
Type	LONG
Read-only	yes
Tab|Panel	General|Default Data Set Attributes

Table 55-54 Offset Scaled Log Variance

Name	Value
Displayed name	Offset Scaled Log Variance
OSS name	offsetScaledLogVariance
Type	INT
Read-only	yes
Tab|Panel	General|Parent Clock Data Set Attributes

Table 55-55 Parent Clock Address

Name	Value
Displayed name	Parent Clock Address
OSS name	clockAddress
Type	INETADDR
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Parent Clock

Table 55-56 Parent Clock Address Type

Name	Value
Displayed name	Parent Clock Address Type
OSS name	clockIpAddrType
Type	rtr.InetAddressType
Default	IPv4
Read-only	yes
Tab|Panel	General|Parent Clock
Enumerated types	
DNS	
IPv4	
IPv4 Multicast	
IPv4z	
IPv6	
IPv6 Multicast	
IPv6z	
Unknown	

Table 55-57 Parent Clock ID

Name	Value
Displayed name	Parent Clock ID
OSS name	clockParentId
Type	STRING
Read-only	yes
Tab|Panel	General|Parent Clock

Table 55-58 Parent Port Number

Name	Value
Displayed name	Parent Port Number
OSS name	clockParentPortNumber
Type	LONG
Read-only	yes
Tab|Panel	General|Parent Clock

Table 55-59 Peer Limit

Name	Value
Displayed name	Peer Limit
OSS name	peerLimit
Type	INT
Minimum	-1
Maximum	512
Default	-1
Tab|Panel	General|General
Description	Specifies the maximum number of PTP peers that may be created by the system upon reception of PTP signaling packets. If the system has already automatically created PTP peers on a virtualrouter instance, the limit cannot be reduced lower than the current count of automatically created PTP peers on the virtual router instance.

Table 55-60 Phase Change Rate

Name	Value
Displayed name	Phase Change Rate

(1 of 2)

Name	Value
OSS name	phaseChangeRate
Type	INT
Read-only	yes
Tab|Panel	General|Parent Clock Data Set Attributes

(2 of 2)

Table 55-61 Priority 1

Name	Value
Displayed name	Priority 1
OSS name	clockPriority1
Type	LONG
Minimum	0
Maximum	255
Default	128
Tab|Panel	General|Default Data Set Attributes

Table 55-62 Priority 2

Name	Value
Displayed name	Priority 2
OSS name	clockPriority2
Type	LONG
Minimum	0
Maximum	255
Default	128
Tab|Panel	General|Default Data Set Attributes

Table 55-63 PTP Port

Name	Value
Displayed name	PTP Port
OSS name	clockParentPortNumber
Type	LONG
Read-only	yes
Tab|Panel	General|Parent Clock Data Set Attributes

Table 55-64 PTP Profile

Name	Value
Displayed name	PTP Profile
OSS name	clockProfile
Type	ptp.Alu1588PtpProfile
Default	2
Tab|Panel	General|General
Enumerated types	
IEEE1588-2008	
ITUTelecomFreq	
ITU-T G.8265.1	

Table 55-65 PTP Timescale

Name	Value
Displayed name	PTP Timescale
OSS name	ptpTimeScale
Type	ptp.PtpTimescale
Read-only	yes
Tab|Panel	General|Time Information
Enumerated types	
Arbitrary	
PTP	

Table 55-66 PTP Time Source

Name	Value
Displayed name	PTP Time Source
OSS name	ptpTimeSource
Type	ptp.PtpTimesource
Read-only	yes
Tab|Panel	General|Time Information
Enumerated types	
Atomic Clock	
GPS	
Hand Set	

(1 of 2)

Name	Value
Internal Oscillator	
NTP	
Other	
PTP	
Reserved	
Terrestrial Radio	

(2 of 2)

Table 55-67 Reverse Weight

Name	Value
Displayed name	Reverse Weight
OSS name	clockReverseWeight
Type	INT
Default	no
Read-only	yes
Tab|Panel	General|General

Table 55-68 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|General

Table 55-69 Source Interface

Name	Value
Displayed name	Source Interface
OSS name	clockInterfacePointer
Type	POINTER
Tab|Panel	General|General

Table 55-70 Statistics Collected

Name	Value
Displayed name	Statistics Collected
OSS name	statisticsCollected
Type	BOOL
Read-only	yes
Tab|Panel	General|Parent Clock Data Set Attributes

Table 55-71 Steps Removed

Name	Value
Displayed name	Steps Removed
OSS name	stepsRemoved
Type	INT
Read-only	yes
Tab|Panel	General|Current Data Set Attributes

Table 55-72 Time Traceable

Name	Value
Displayed name	Time Traceable
OSS name	timeTraceable
Type	ptp.PtpClockAttributesTriState
Read-only	yes
Tab|Panel	General|Time Information
Enumerated types	
No	
Unknown	
Yes	

Table 55-73 Two Step

Name	Value
Displayed name	Two Step
OSS name	clockTwoStepType

(1 of 2)

Name	Value
Type	ptp.Alu1588PtpClockStepType
Read-only	yes
Tab|Panel	General|General
Enumerated types	
One Step	
Two Step	
UnKnown	

(2 of 2)

Table 55-74 Two-Step Flag

Name	Value
Displayed name	Two-Step Flag
OSS name	twoStepFlag
Type	ptp.PtpClockAttributesTriState
Tab|Panel	General|Default Data Set Attributes
Enumerated types	
No	
Unknown	
Yes	

56 — IEEE 1588 PTP Port

Table 56-1 IEEE 1588 PTP Port parameters

Parameters	
Addressing Mode	Management Message Rx
Administrative State	Management Message Tx
Admin State	Measured Link Asymmetry
Anno rx timeouts	Number Of Peers
Announce Message Interval	Peer Path Delay
Announce Message Rx	Port Id
Announce Message Tx	Port ID
Announce Receipt Timeout	Port Role
Associated Physical Port	Port Status
Associated VLAN ID	PTP IO Timing Port
Asymmetry Correction	PTP Port State
Delay Mechanism	PTP Version
Delay Request Interval	Signalling Message Rx
Delay Request Message Rx	Signalling Message Tx
Delay Request Message Tx	Sync Message Interval
Delay Response Message Rx	Sync Message Rx
Delay Response Message Tx	Sync Message Tx
Destination MAC Address	Trigger Link Asymmetry Measurement
Encapsulation Type	Two-Step Flag
Link Asymmetry Measurement Status	Unicast
Log anno interval	Unicast Negotiation Enabled
Log sync interval	

Table 56-2 Addressing Mode

Name	Value
Displayed name	Addressing Mode
OSS name	addressingMode
Type	ptp.PtpPortAddressingMode
Tab|Panel	PTP Port|General
Enumerated types	
Hybrid	
Multicast	
Unicast	

Table 56-3 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	portEnabled
Type	ptp.PtpPortEnabled
Default	0
Tab|Panel	PTP Port|General
Enumerated types	
Maintenance	
Down	
Up	

Table 56-4 Admin State

Name	Value
Displayed name	Admin State
OSS name	ptpPortClockAdminState
Type	ptp.AluPtpClockAdminState
Default	3
Tab|Panel	General|General
Enumerated types	
Enabled	
Noop	
Disabled	

Table 56-5 Anno rx timeouts

Name	Value
Displayed name	Anno rx timeouts
OSS name	ptpPortDSAnnoRxTimeout
Type	INT
Minimum	2
Maximum	10
Default	3
Tab|Panel	General|General

Table 56-6 Announce Message Interval

Name	Value
Displayed name	Announce Message Interval
OSS name	announceMessageInterval
Type	LONG
Minimum	-4
Maximum	4
Default	no
Units	log base 2 seconds
Tab|Panel	PTP Port|General

Table 56-7 Announce Message Rx

Name	Value
Displayed name	Announce Message Rx
OSS name	ptpPortAnnounceMessageRx
Type	ptp.UINT128
Tab|Panel	PTP Port|PTP Port Statistics
Description	Announce Message Stats Rx

Table 56-8 Announce Message Tx

Name	Value
Displayed name	Announce Message Tx

(1 of 2)

Name	Value
OSS name	ptpPortAnnounceMessageTx
Type	ptp.UINT128
Tab|Panel	PTP Port|PTP Port Statistics
Description	Announce Message Stats Tx

(2 of 2)

Table 56-9 Announce Receipt Timeout

Name	Value
Displayed name	Announce Receipt Timeout
OSS name	announceReceiptTimeout
Type	LONG
Minimum	2
Maximum	255
Default	2
Tab|Panel	PTP Port|General

Table 56-10 Associated Physical Port

Name	Value
Displayed name	Associated Physical Port
OSS name	associatedPhysicalPort
Type	POINTER
Mandatory on creation	yes
Tab|Panel	PTP Port|General
Description	Associated Physical port.

Table 56-11 Associated VLAN ID

Name	Value
Displayed name	Associated VLAN ID
OSS name	associatedVlanId
Type	LONG
Minimum	0
Maximum	4094
Default	0

(1 of 2)

Name	Value
Tab|Panel	PTP Port|General

(2 of 2)

Table 56-12 Asymmetry Correction

Name	Value
Displayed name	Asymmetry Correction
OSS name	asymmetryCorrection
Type	LONG
Minimum	-100000000
Maximum	100000000
Default	no
Units	ns
Tab|Panel	PTP Port|General

Table 56-13 Delay Mechanism

Name	Value
Displayed name	Delay Mechanism
OSS name	delayMechanism
Type	ptp.PtpPortDelayMechanism
Default	1
Read-only	yes
Tab|Panel	PTP Port|General
Enumerated types	
End-to-End	
Peer-to-Peer	

Table 56-14 Delay Request Interval

Name	Value
Displayed name	Delay Request Interval
OSS name	delayRequestInterval
Type	LONG
Minimum	-7
Maximum	4

(1 of 2)

Name	Value
Default	no
Units	log base 2 seconds
Tab|Panel	PTP Port|General

(2 of 2)

Table 56-15 Delay Request Message Rx

Name	Value
Displayed name	Delay Request Message Rx
OSS name	ptpPortDelayReqRx
Type	ptp.UINT128
Tab|Panel	PTP Port|PTP Port Statistics
Description	Delay Request Message Rx

Table 56-16 Delay Request Message Tx

Name	Value
Displayed name	Delay Request Message Tx
OSS name	ptpPortDelayReqTx
Type	ptp.UINT128
Tab|Panel	PTP Port|PTP Port Statistics
Description	Delay Request Message Tx

Table 56-17 Delay Response Message Rx

Name	Value
Displayed name	Delay Response Message Rx
OSS name	ptpPortDelayResRx
Type	ptp.UINT128
Tab|Panel	PTP Port|PTP Port Statistics
Description	Delay Response Message Rx

Table 56-18 Delay Response Message Tx

Name	Value
Displayed name	Delay Response Message Tx
OSS name	ptpPortDelayResTx
Type	ptp.UINT128
Tab|Panel	PTP Port|PTP Port Statistics
Description	Delay Response Message Tx

Table 56-19 Destination MAC Address

Name	Value
Displayed name	Destination MAC Address
OSS name	destinationMACAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	PTP Port|General

Table 56-20 Encapsulation Type

Name	Value
Displayed name	Encapsulation Type
OSS name	encapsulationType
Type	ptp.PtpPortEncapsulationType
Read-only	yes
Tab|Panel	PTP Port|General
Enumerated types	
Ethernet	
UDP/IPv4	

Table 56-21 Link Asymmetry Measurement Status

Name	Value
Displayed name	Link Asymmetry Measurement Status
OSS name	linkAsymmetryMeasurementStatus
Type	ptp.PtpPortLinkAsymmetryMeasurementStatus

(1 of 2)

Name	Value
Default	-1
Read-only	yes
Tab|Panel	PTP Port|General
Enumerated types	
In Progress	
No Msg Received	
No Msg Received after Swap	
No Trigger	
OSW Failure	
Successful	
Unknown	
Unstable Timestamps	

(2 of 2)

Table 56-22 Log anno interval

Name	Value
Displayed name	Log anno interval
OSS name	ptplogannointerval
Type	INT
Minimum	0
Maximum	3
Default	1
Tab|Panel	General|General

Table 56-23 Log sync interval

Name	Value
Displayed name	Log sync interval
OSS name	ptpPortDSLogSyncInterval
Type	INT
Default	-6
Tab|Panel	General|General

Table 56-24 Management Message Rx

Name	Value
Displayed name	Management Message Rx
OSS name	ptpPortMgmtRx
Type	ptp.UINT128
Tab|Panel	PTP Port|PTP Port Statistics
Description	Management Message Rx

Table 56-25 Management Message Tx

Name	Value
Displayed name	Management Message Tx
OSS name	ptpPortMgmtTx
Type	ptp.UINT128
Tab|Panel	PTP Port|PTP Port Statistics
Description	Management Message Tx

Table 56-26 Measured Link Asymmetry

Name	Value
Displayed name	Measured Link Asymmetry
OSS name	measuredLinkAsymmetry
Type	LONG
Units	ns
Read-only	yes
Tab|Panel	PTP Port|General

Table 56-27 Number Of Peers

Name	Value
Displayed name	Number Of Peers
OSS name	ptpPortNumPeers
Type	INT
Read-only	yes
Tab|Panel	General|General

Table 56-28 Peer Path Delay

Name	Value
Displayed name	Peer Path Delay
OSS name	peerPathDelay
Type	LONG
Units	ns
Read-only	yes
Tab|Panel	PTP Port|General

Table 56-29 Port Id

Name	Value
Displayed name	Port Id
OSS name	portIndex
Type	INT
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 56-30 Port ID

Name	Value
Displayed name	Port ID
OSS name	portIndex
Type	INT
Default	0
Mandatory on creation	yes
Tab|Panel	PTP Port|General

Table 56-31 Port Role

Name	Value
Displayed name	Port Role
OSS name	portRole
Type	ptp.PtpPortRole

(1 of 2)

Name	Value
Tab|Panel	PTP Port|General
Enumerated types	
Auto	
Master	
Passive	
Slave	

(2 of 2)

Table 56-32 Port Status

Name	Value
Displayed name	Port Status
OSS name	portStatus
Type	ptp.PtpPortStatus
Read-only	yes
Tab|Panel	PTP Port|General
Enumerated types	
Disabled	
Faulty	
Initializing	
Listening	
Master	
Passive	
PreMaster	
Slave	
Uncalibrated	
Unknown	

Table 56-33 PTP IO Timing Port

Name	Value
Displayed name	PTP IO Timing Port
OSS name	ptpIoTimingPort
Type	POINTER
Tab|Panel	PTP Port|General
Description	PTPCTL IO Timing Port.

Table 56-34 PTP Port State

Name	Value
Displayed name	PTP Port State
OSS name	ptpPortDSPortState
Type	sonet.PtpPortState
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Disabled	
Faulty	
Initializing	
Listening	
Master	
Passive	
Pre-Master	
Slave	
Uncalibrated	
Unknown	

Table 56-35 PTP Version

Name	Value
Displayed name	PTP Version
OSS name	ptpVersion
Type	ptp.PortPtpVersion
Read-only	yes
Tab|Panel	PTP Port|General
Enumerated types	
V1	
V2	

Table 56-36 Signalling Message Rx

Name	Value
Displayed name	Signalling Message Rx
OSS name	ptpPortSigMsgRx

(1 of 2)

Name	Value
Type	ptp.UINT128
Tab|Panel	PTP Port|PTP Port Statistics
Description	Signalling Message Rx

(2 of 2)

Table 56-37 Signalling Message Tx

Name	Value
Displayed name	Signalling Message Tx
OSS name	ptpPortSigMsgTx
Type	ptp.UINT128
Tab|Panel	PTP Port|PTP Port Statistics
Description	Signalling Message Tx

Table 56-38 Sync Message Interval

Name	Value
Displayed name	Sync Message Interval
OSS name	syncMessageInterval
Type	LONG
Minimum	-7
Maximum	4
Default	no
Units	log base 2 seconds
Tab|Panel	PTP Port|General

Table 56-39 Sync Message Rx

Name	Value
Displayed name	Sync Message Rx
OSS name	ptpPortSyncMsgRx
Type	ptp.UINT128
Tab|Panel	PTP Port|PTP Port Statistics
Description	Sync Message Rx

Table 56-40 Sync Message Tx

Name	Value
Displayed name	Sync Message Tx
OSS name	ptpPortSyncMsgTx
Type	ptp.UINT128
Tab|Panel	PTP Port|PTP Port Statistics
Description	Sync Message Tx

Table 56-41 Trigger Link Asymmetry Measurement

Name	Value
Displayed name	Trigger Link Asymmetry Measurement
OSS name	triggerLinkAsymmetryMeasurement
Type	BOOL
Default	no
Tab|Panel	PTP Port|General

Table 56-42 Two-Step Flag

Name	Value
Displayed name	Two-Step Flag
OSS name	twoStepFlag
Type	BOOL
Default	no
Read-only	yes
Tab|Panel	PTP Port|General

Table 56-43 Unicast

Name	Value
Displayed name	Unicast
OSS name	unicastNegotiate
Type	BOOL
Default	true
Tab|Panel	General|General

Table 56-44 Unicast Negotiation Enabled

Name	Value
Displayed name	Unicast Negotiation Enabled
OSS name	unicastNegotiate
Type	BOOL
Default	true
Tab|Panel	PTP Port|General

57 — IgmpSnpgMrouter

Table 57-1 IgmpSnpgMrouter parameters

Parameters	
Expiry Time	Multicast Router Address
General Query Interval	Robust Count
IGMP Version	SAP/SDP
Location	Uptime
Maximum Response Interval	

Table 57-2 Expiry Time

Name	Value
Displayed name	Expiry Time
OSS name	expiryTime
Type	LONG
Default	0
Units	seconds
Mandatory on creation	yes
Tab|Panel	General|Queries

Table 57-3 General Query Interval

Name	Value
Displayed name	General Query Interval
OSS name	genQueryInterval
Type	LONG
Default	0
Units	seconds
Mandatory on creation	yes
Tab|Panel	General|Queries

Table 57-4 IGMP Version

Name	Value
Displayed name	IGMP Version
OSS name	igmpVersion
Type	vpls.IgmpVersionType
Default	1
Mandatory on creation	yes
Tab|Panel	General|Queries
Enumerated types	
Version 1	
Version 2	
Version 3	

Table 57-5 Location

Name	Value
Displayed name	Location
OSS name	locale
Type	vpls.MRouterLocaleType
Default	1
Mandatory on creation	yes
Tab|Panel	General|General

Table 57-6 Maximum Response Interval

Name	Value
Displayed name	Maximum Response Interval
OSS name	queryResponseInterval
Type	LONG
Default	0
Units	seconds
Mandatory on creation	yes
Tab|Panel	General|Queries

Table 57-7 Multicast Router Address

Name	Value
Displayed name	Multicast Router Address
OSS name	mrouterAddr
Type	INETADDR
Default	0.0.0.0
Mandatory on creation	yes
Tab|Panel	General|General

Table 57-8 Robust Count

Name	Value
Displayed name	Robust Count
OSS name	robustCount
Type	LONG
Default	0
Units	seconds
Mandatory on creation	yes
Tab|Panel	General|Queries

Table 57-9 SAP/SDP

Name	Value
Displayed name	SAP/SDP

(1 of 2)

Name	Value
OSS name	sapOrSdpDisplayedName
Type	STRING
Maximum	252
Tab|Panel	General|General

(2 of 2)

Table 57-10 Uptime

Name	Value
Displayed name	Uptime
OSS name	upTime
Type	LONG
Default	0
Units	seconds
Mandatory on creation	yes
Tab|Panel	General|Queries

58 — IP Filter Cfg

Table 58-1 IP Filter Cfg parameters

Parameters	
Direction Filter Enabled Filter ID Filter ID	Port Name System Default yes

Table 58-2 Direction

Name	Value
Displayed name	Direction
OSS name	filterDirection
Type	opticalacl.Direction
Default	Receive
Mandatory on creation	yes
Tab|Panel	General|General
Description	Direction on the specified network interface to which the IP ACL filter will be associated.
Enumerated types	
Receive	
Transmit	

Table 58-3 Filter Enabled

Name	Value
Displayed name	Filter Enabled
OSS name	filterEnabled
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Enable or disable the IP ACL filter associated with the specified interface and direction.

Table 58-4 Filter ID

Name	Value
Displayed name	Filter ID
OSS name	filterName
Type	STRING
Maximum	30
Read-only	yes
Tab|Panel	General|General
Description	Identifier for the IP ACL filter being associated with the specified interface and direction. It represents an existing ACL Filter.

Table 58-5 Filter ID

Name	Value
Displayed name	Filter ID
OSS name	filterPointer
Type	POINTER
Tab|Panel	General|General
Description	Pointer to the IP ACL filter object associated with the specified interface and direction.

Table 58-6 Port Name

Name	Value
Displayed name	Port Name
OSS name	portName

(1 of 2)

Name	Value
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General
Description	Identifier for the specified interface.

(2 of 2)

Table 58-7 System Default

Name	Value
Displayed name	System Default
OSS name	systemDefault
Type	opticalacl.YesNo
Default	No
Read-only	yes
Tab|Panel	General|General
Description	Indicates if ACL interface added by the system or a user. Valid values are: yes - ACL interface is added by the system. no - ACL interface is added by the user. It is not allowed modify of any attributes when System Default = yes.
Enumerated types	
No	
Yes	

Table 58-8 yes

Name	Value
Displayed name	yes
OSS name	netifIndex
Type	LONG
Maximum	128
Default	0
Read-only	yes
Tab|Panel	General|General
Description	Identifier for the specified interface.

59 — IpMatch

Table 59-1 IpMatch parameters

Parameters	
Description	Port Dst
Destination IP	Port Src
Destination Port	Profile
Displayed Name	Protocol
DSCP	Source IP
Dst Mask	Source Port
Forwarding Class	Src Mask
Fragment	To Port Dst
ID	To Port Src

Table 59-2 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 59-3 Destination IP

Name	Value
Displayed name	Destination IP
OSS name	destinationIpAddress
Type	INETADDR
Default	0.0.0.0
Tab|Panel	General|IP Properties

Table 59-4 Destination Port

Name	Value
Displayed name	Destination Port
OSS name	destinationOperator
Type	acl.Operator
Tab|Panel	General|Port Properties

Table 59-5 Displayed Name

Name	Value
Displayed name	Displayed Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 59-6 DSCP

Name	Value
Displayed name	DSCP
OSS name	dscp
Type	qos.DscpEnum
Default	Default
Tab|Panel	General|Dscp
Enumerated types	

(1 of 2)

Name	Value
Default	

(2 of 2)

Table 59-7 Dst Mask

Name	Value
Displayed name	Dst Mask
OSS name	destinationIpAddressMask
Type	acl.IpAddrMask
Minimum	0
Maximum	32
Default	0
Tab|Panel	General|IP Properties
Enumerated types	
0	
1	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
2	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	

(1 of 2)

Name	Value
3	
30	
31	
32	
4	
5	
6	
7	
8	
9	

(2 of 2)

Table 59-8 Forwarding Class

Name	Value
Displayed name	Forwarding Class
OSS name	forwardingClass
Type	qos.FcEnumOrDefault
Default	Default
Tab|Panel	General|General
Enumerated types	
Default	

Table 59-9 Fragment

Name	Value
Displayed name	Fragment
OSS name	fragment
Type	sasqos.ItemMatch
Default	None
Tab|Panel	General|IP Properties
Enumerated types	
No	
None	
Yes	

Table 59-10 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	0
Maximum	4294967295
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 59-11 Port Dst

Name	Value
Displayed name	Port Dst
OSS name	destinationPort1
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|Port Properties

Table 59-12 Port Src

Name	Value
Displayed name	Port Src
OSS name	sourcePort1
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|Port Properties

Table 59-13 Profile

Name	Value
Displayed name	Profile
OSS name	defaultFcProfile
Type	qos.Profile
Tab|Panel	General|General

Table 59-14 Protocol

Name	Value
Displayed name	Protocol
OSS name	protocol
Type	acl.Protocol
Minimum	-1
Maximum	255
Default	NONE
Tab|Panel	General|General
Enumerated types	
3PC (34)	
A/N Active Networks (107)	
AH (51)	
NONE	
any 0-hop protocol (114)	
any distributed file system (68)	
any host internal protocol (61)	
any local network (63)	
any private encryption scheme (99)	
ARGUS (13)	
ARIS (104)	
AX.25 (93)	
BBN_RCC_MON (10)	
BNA (49)	
BR_SAT_MON (76)	
CBT (7)	
CFTP (62)	
CHAOS (16)	
Compaq_Peer (110)	

(1 of 5)

Name	Value
CPHB (73)	
CPNX (72)	
CRTP (126)	
CRUDP (127)	
DCN_MEAS (19)	
DDP (37)	
DDX (116)	
DGP (86)	
EGP (8)	
EIGRP (88)	
EMCON (14)	
ENCAP (98)	
ESP (50)	
ETHERIP (97)	
FC (133)	
FIRE (125)	
GGP (3)	
GMTP (100)	
GRE (47)	
HMP (20)	
HOPOPT (0)	
I_NLSP (52)	
IATP (117)	
ICMP (1)	
IDPR (35)	
IDPR_CMTP (38)	
IDRP (45)	
IFMP (101)	
IGMP (2)	
IGP (9)	
IL (40)	
IP (4)	
IPComp (108)	
IPCV (71)	
IPIP (94)	
IPLT (129)	
IPPC (67)	

(2 of 5)

Name	Value
IPv6 (41)	
IPv6_ICMP (58)	
IPv6_NoNxt (59)	
IPv6_Opts (60)	
IPv6Frag (44)	
IPv6Route (43)	
IPX_in_IP (111)	
IRTP (28)	
ISIS (124)	
ISO_IP (80)	
ISO_TP4 (29)	
KRYPTOLAN (65)	
L2TP (115)	
LARP (91)	
LEAF_1 (25)	
LEAF_2 (26)	
MERIT_INP (32)	
MFE_NSP (31)	
MHRP (48)	
MICP (95)	
MOBILE (55)	
MTP (92)	
MUX (18)	
NARP (54)	
NETBLT (30)	
NSFNET_IGP (85)	
NVP_II (11)	
OSPFIGP (89)	
PGM (113)	
PIM (103)	
PIPE (131)	
PNNI (102)	
PRM (21)	
PTP (123)	
PUP (12)	
PVP (75)	
QNX (106)	

(3 of 5)

Name	Value
RDP (27)	
RSVP (46)	
RSVP_E2E_IGNORE (134)	
RVD (66)	
SAT_EXPAK (64)	
SAT_MON (69)	
SCC_SP (96)	
SCPS (105)	
SCTP (132)	
SDRP (42)	
SECURE_VMTP (82)	
SEP (33)	
SKIP (57)	
SM (122)	
SMP (121)	
SNP (109)	
Sprite_RPC (90)	
SPS (130)	
SRP (119)	
SSCOPMCE (128)	
ST (5)	
STP (118)	
SUN_ND (77)	
SWIPE (53)	
TCF (87)	
TCP (6)	
TLSP (56)	
TP++ (39)	
TRUNK_1 (23)	
TRUNK_2 (24)	
TTP (84)	
UDP (17)	
UDPTCP (*)	
UTI (120)	
VINES (83)	
VISA (70)	
VMTP (81)	

(4 of 5)

Name	Value
VRRP (112)	
WB_EXPAK (79)	
WB_MON (78)	
WSN (74)	
XNET (15)	
XNS_IDP (22)	
XTP (36)	

(5 of 5)

Table 59-15 Source IP

Name	Value
Displayed name	Source IP
OSS name	sourceIpAddress
Type	INETADDR
Default	0.0.0.0
Tab|Panel	General|IP Properties

Table 59-16 Source Port

Name	Value
Displayed name	Source Port
OSS name	sourceOperator
Type	acl.Operator
Tab|Panel	General|Port Properties

Table 59-17 Src Mask

Name	Value
Displayed name	Src Mask
OSS name	sourceIpAddressMask
Type	acl.IpAddrMask
Minimum	0
Maximum	32
Default	0
Tab|Panel	General|IP Properties

(1 of 2)

Name	Value
Enumerated types	
0	
1	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
2	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
3	
30	
31	
32	
4	
5	
6	
7	
8	
9	

(2 of 2)

Table 59-18 To Port Dst

Name	Value
Displayed name	To Port Dst
OSS name	destinationPort2
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|Port Properties

Table 59-19 To Port Src

Name	Value
Displayed name	To Port Src
OSS name	sourcePort2
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|Port Properties

60 — Ipv6Match

Table 60-1 Ipv6Match parameters

Parameters	
Description	Port Src
Destination IP	Profile
Destination Port	Protocol
Displayed Name	Source IP
DSCP	Source Port
Dst Mask	Src Mask
Forwarding Class	To Port Dst
ID	To Port Src
Port Dst	

Table 60-2 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 60-3 Destination IP

Name	Value
Displayed name	Destination IP
OSS name	destinationIpAddress
Type	INETADDR
Default	0:0:0:0:0:0:0:0
Tab|Panel	General|IP Properties

Table 60-4 Destination Port

Name	Value
Displayed name	Destination Port
OSS name	destinationOperator
Type	acl.Operator
Tab|Panel	General|Port Properties

Table 60-5 Displayed Name

Name	Value
Displayed name	Displayed Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 60-6 DSCP

Name	Value
Displayed name	DSCP
OSS name	dscp
Type	qos.DscpEnum
Default	Default
Tab|Panel	General|Dscp
Enumerated types	

(1 of 2)

Name	Value
Default	

(2 of 2)

Table 60-7 Dst Mask

Name	Value
Displayed name	Dst Mask
OSS name	destinationIpAddressMask
Type	INT
Minimum	0
Maximum	128
Default	0
Tab|Panel	General|IP Properties

Table 60-8 Forwarding Class

Name	Value
Displayed name	Forwarding Class
OSS name	forwardingClass
Type	qos.FcEnumOrDefault
Default	Default
Tab|Panel	General|General
Enumerated types	
Default	

Table 60-9 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	0
Maximum	4294967295
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 60-10 Port Dst

Name	Value
Displayed name	Port Dst
OSS name	destinationPort1
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|Port Properties

Table 60-11 Port Src

Name	Value
Displayed name	Port Src
OSS name	sourcePort1
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|Port Properties

Table 60-12 Profile

Name	Value
Displayed name	Profile
OSS name	defaultFcProfile
Type	qos.Profile
Tab|Panel	General|General

Table 60-13 Protocol

Name	Value
Displayed name	Protocol
OSS name	protocol
Type	acl.Protocol

(1 of 5)

Name	Value
Minimum	-1
Maximum	255
Default	NONE
Tab|Panel	General|General
Enumerated types	
3PC (34)	
A/N Active Networks (107)	
AH (51)	
NONE	
any 0-hop protocol (114)	
any distributed file system (68)	
any host internal protocol (61)	
any local network (63)	
any private encryption scheme (99)	
ARGUS (13)	
ARIS (104)	
AX.25 (93)	
BBN_RCC_MON (10)	
BNA (49)	
BR_SAT_MON (76)	
CBT (7)	
CFTP (62)	
CHAOS (16)	
Compaq_Peer (110)	
CPHB (73)	
CPNX (72)	
CRTP (126)	
CRUDP (127)	
DCN_MEAS (19)	
DDP (37)	
DDX (116)	
DGP (86)	
EGP (8)	
EIGRP (88)	
EMCON (14)	
ENCAP (98)	
ESP (50)	

(2 of 5)

Name	Value
ETHERIP (97)	
FC (133)	
FIRE (125)	
GGP (3)	
GMTP (100)	
GRE (47)	
HMP (20)	
HOPOPT (0)	
I_NLSP (52)	
IATP (117)	
ICMP (1)	
IDPR (35)	
IDPR_CMTP (38)	
IDRP (45)	
IFMP (101)	
IGMP (2)	
IGP (9)	
IL (40)	
IP (4)	
IPComp (108)	
IPCV (71)	
IPIP (94)	
IPLT (129)	
IPPC (67)	
IPv6 (41)	
IPv6_ICMP (58)	
IPv6_NoNxt (59)	
IPv6_Opts (60)	
IPv6Frag (44)	
IPv6Route (43)	
IPX_in_IP (111)	
IRTP (28)	
ISIS (124)	
ISO_IP (80)	
ISO_TP4 (29)	
KRYPTOLAN (65)	
L2TP (115)	

(3 of 5)

Name	Value
LARP (91)	
LEAF_1 (25)	
LEAF_2 (26)	
MERIT_INP (32)	
MFE_NSP (31)	
MHRP (48)	
MICP (95)	
MOBILE (55)	
MTP (92)	
MUX (18)	
NARP (54)	
NETBLT (30)	
NSFNET_IGP (85)	
NVP_II (11)	
OSPFIGP (89)	
PGM (113)	
PIM (103)	
PIPE (131)	
PNNI (102)	
PRM (21)	
PTP (123)	
PUP (12)	
PVP (75)	
QNX (106)	
RDP (27)	
RSVP (46)	
RSVP_E2E_IGNORE (134)	
RVD (66)	
SAT_EXPAK (64)	
SAT_MON (69)	
SCC_SP (96)	
SCPS (105)	
SCTP (132)	
SDRP (42)	
SECURE_VMTP (82)	
SEP (33)	
SKIP (57)	

(4 of 5)

60 — Ipv6Match

Name	Value
SM (122)	
SMP (121)	
SNP (109)	
Sprite_RPC (90)	
SPS (130)	
SRP (119)	
SSCOPMCE (128)	
ST (5)	
STP (118)	
SUN_ND (77)	
SWIPE (53)	
TCF (87)	
TCP (6)	
TLSP (56)	
TP++ (39)	
TRUNK_1 (23)	
TRUNK_2 (24)	
TTP (84)	
UDP (17)	
UDPTCP (*)	
UTI (120)	
VINES (83)	
VISA (70)	
VMTP (81)	
VRRP (112)	
WB_EXPAK (79)	
WB_MON (78)	
WSN (74)	
XNET (15)	
XNS_IDP (22)	
XTP (36)	

(5 of 5)

Table 60-14 Source IP

Name	Value
Displayed name	Source IP

(1 of 2)

Name	Value
OSS name	sourceIpAddress
Type	INETADDR
Default	0:0:0:0:0:0:0:0
Tab|Panel	General|IP Properties

(2 of 2)

Table 60-15 Source Port

Name	Value
Displayed name	Source Port
OSS name	sourceOperator
Type	acl.Operator
Tab|Panel	General|Port Properties

Table 60-16 Src Mask

Name	Value
Displayed name	Src Mask
OSS name	sourceIpAddressMask
Type	INT
Minimum	0
Maximum	128
Default	0
Tab|Panel	General|IP Properties

Table 60-17 To Port Dst

Name	Value
Displayed name	To Port Dst
OSS name	destinationPort2
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|Port Properties

Table 60-18 To Port Src

Name	Value
Displayed name	To Port Src
OSS name	sourcePort2
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|Port Properties

61 — L2 Access Interface

Table 61-1 L2 Access Interface parameters

Parameters	
Accounting Policy	Enable Aggregate Rate Limit
Active State	Enable Egress Forwarding
Actual Maximum Frame Size	Enable Egress Packets Forwarding
Administrative State	Enable Ingress Forwarding
Aggregate CIR	Enable Port Redundancy
Aggregate CIR	Encapsulation Type
Aggregate Rate Limit	Endpoint
Aggregate Rate Limit	Ethernet CFM Monitor Flags
Aggregate Shaper CIR Rate	Frame-Based Accounting
Aggregate Shaper PIR Rate	Ingress Counter Mode
Aggregation	Ingress Counter Type
Aggregation Scheduler	Ingress Filter
Collect Accounting Statistics	Ingress Match QinQ Dot1P
Customer ID	Ingress Meter
Customer Name	Ingress Meter Burst
Description	Ingress Meter Rate
Destination MAC Address	Ingress Policy
Displayed Name	Ingress Queue Group Template Policy
Egress Aggregate Rate Limit CIR	Ingress Scheduler
Egress Aggregate Rate Limit PIR	Inner Encapsulation Value
Egress Filter	Instance ID
Egress Mark QinQ Top Bits Only	IPv6 Egress Filter
Egress Policy	IPv6 Ingress Filter
Egress Queue Group Template Policy	Limit Unused Bandwidth
Egress Scheduler	MAC Monitoring

(1 of 2)

Parameters	
Manual Switch Backup State	Scheduler Mode
Maximum Frame Size Mismatch	Service ID
Name	Service Name
NE DDoS Protection Policy	Service Type
NE DoS Protection	Site ID
Operational State	Site Name
Outer Encapsulation Value	Source MAC Address
Packet Byte Offset (bytes)	State Cause
Policer Control Policy	State Qualifier
Policer Control Policy	SVC Mgr Service ID
Port ID	Terminated Port Class Name
Port Name	Terminating Port
Provisioned Maximum Frame Size	Time of Day Suite
SAS Egress Policy	Underlying Port State
SAS Ingress Policy	Use Shared Queue
Scheduler Mode	WRR Policy

(2 of 2)

Table 61-2 Accounting Policy

Name	Value
Displayed name	Accounting Policy
OSS name	accountingPolicyObjectPointer
Type	POINTER
Tab|Panel	Accounting|General

Table 61-3 Active State

Name	Value
Displayed name	Active State
OSS name	txActiveState
Type	service.TxActiveState
Default	Active
Read-only	yes
Tab|Panel	General|Redundancy
Description	In redundant mode specifies whether the SAP is active or inactive.
Enumerated types	
Active	
Active Forced	
Backup	

(1 of 2)

Name	Value
N/A	

(2 of 2)

Table 61-4 Actual Maximum Frame Size

Name	Value
Displayed name	Actual Maximum Frame Size
OSS name	actualMtu
Type	INT
Default	1500
Units	bytes
Read-only	yes
Tab|Panel	Port|General

Table 61-5 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	mirror.AdministrativeState
Default	unspecified
Tab|Panel	General|General

Table 61-6 Aggregate CIR

Name	Value
Displayed name	Aggregate CIR
OSS name	egressAggCIR
Type	INT
Minimum	-1
Maximum	10000000
Default	-1
Units	kbps
Tab|Panel	Schedulers|Egress Aggregate Rate Limit
Description	Specifies the CIR of all egress queues for this SAP. This cannot be modified from its default value on a SAP with egress scheduler mode being four-priority.

Table 61-7 Aggregate CIR

Name	Value
Displayed name	Aggregate CIR
OSS name	ingressAggCIR
Type	INT
Minimum	-1
Maximum	10000000
Default	-1
Units	kbps
Tab|Panel	Schedulers|Ingress Aggregate Rate Limit
Description	Specifies the CIR of all ingress queues for this SAP. This cannot be modified from its default value on a SAP with ingress scheduler mode being four-priority.

Table 61-8 Aggregate Rate Limit

Name	Value
Displayed name	Aggregate Rate Limit
OSS name	egressAggRateLimit
Type	INT
Minimum	-1
Maximum	100000000
Default	-1
Units	kbps
Tab|Panel	Schedulers|Egress Aggregate Rate Limit
Description	Specifies the maximum total rate of all egress queues for this AccessInterface. The value -1 means that there is no limit.

Table 61-9 Aggregate Rate Limit

Name	Value
Displayed name	Aggregate Rate Limit
OSS name	ingressAggRateLimit
Type	INT
Minimum	-1
Maximum	100000000
Default	-1
Units	kbps

(1 of 2)

Name	Value
Tab|Panel	Schedulers|Ingress Aggregate Rate Limit
Description	Specifies the maximum total rate of all ingress queues for this SAP. The value '-1' means that there is no limit.

(2 of 2)

Table 61-10 Aggregate Shaper CIR Rate

Name	Value
Displayed name	Aggregate Shaper CIR Rate
OSS name	sapIngressAggregateShaperRateCIR
Type	INT
Minimum	-1
Maximum	20000000
Default	0
Units	kbps
Tab|Panel	QoS|Aggregate Rate Limit

Table 61-11 Aggregate Shaper PIR Rate

Name	Value
Displayed name	Aggregate Shaper PIR Rate
OSS name	sapIngressAggregateShaperRatePIR
Type	INT
Minimum	-1
Maximum	20000000
Default	-1
Units	kbps
Tab|Panel	QoS|Aggregate Rate Limit

Table 61-12 Aggregation

Name	Value
Displayed name	Aggregation
OSS name	aggregation
Type	INT
Default	off

(1 of 2)

Name	Value
Tab|Panel	Schedulers|General

(2 of 2)

Table 61-13 Aggregation Scheduler

Name	Value
Displayed name	Aggregation Scheduler
OSS name	aggregationSchedulerObjectPointer
Type	POINTER
Tab|Panel	Schedulers|Aggregation Scheduler

Table 61-14 Collect Accounting Statistics

Name	Value
Displayed name	Collect Accounting Statistics
OSS name	accountingOn
Type	BOOL
Default	true
Tab|Panel	Accounting|General

Table 61-15 Customer ID

Name	Value
Displayed name	Customer ID
OSS name	subscriberId
Type	LONG
Default	1
Read-only	yes
Tab|Panel	General|Customer

Table 61-16 Customer Name

Name	Value
Displayed name	Customer Name
OSS name	subscriberName

(1 of 2)

Name	Value
Type	STRING
Maximum	32
Read-only	yes
Tab|Panel	General|Customer

(2 of 2)

Table 61-17 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 61-18 Destination MAC Address

Name	Value
Displayed name	Destination MAC Address
OSS name	ipMirrorDestinationMacAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	IP Mirror MAC Addresses|Egress
Description	Specifies the MAC address to be used for the Destination MAC Address field in the mirrored packets when using IP mirror service. Applies only when encapsulationType is set to IP-Only and is local mirroring.

Table 61-19 Displayed Name

Name	Value
Displayed name	Displayed Name
OSS name	hsmdaEgrSecondaryShaper
Type	STRING
Tab|Panel	QoS|Egress HSMDA Override|Secondary Shaper
Description	HSMDA Egress Secondary Shaper applicable to this service

Table 61-20 Egress Aggregate Rate Limit CIR

Name	Value
Displayed name	Egress Aggregate Rate Limit CIR
OSS name	egressAggRateLimitCIR
Type	INT
Minimum	0
Maximum	10000000
Default	0
Units	kbps
Tab|Panel	Schedulers|Egress Aggregate Rate Limit CIR PIR
Description	Specifies Aggregate Rate Limit CIR value on this site.

Table 61-21 Egress Aggregate Rate Limit PIR

Name	Value
Displayed name	Egress Aggregate Rate Limit PIR
OSS name	egressAggRateLimitPIR
Type	INT
Minimum	-1
Maximum	10000000
Default	-1
Units	kbps
Tab|Panel	Schedulers|Egress Aggregate Rate Limit CIR PIR
Description	Specifies Aggregate Rate Limit PIR value on this site.

Table 61-22 Egress Filter

Name	Value
Displayed name	Egress Filter
OSS name	egressFilterPointer
Type	POINTER
Tab|Panel	ACL|IP Filter

Table 61-23 Egress Mark QinQ Top Bits Only

Name	Value
Displayed name	Egress Mark QinQ Top Bits Only
OSS name	egressQinqMarkTopBitsOnly
Type	BOOL
Default	false
Tab|Panel	QoS|General
Description	This property only applies to ports with an encapsulation type of QinQ and specifies whether only top bits should be marked (true), or both top and bottom bits should be marked (false).

Table 61-24 Egress Policy

Name	Value
Displayed name	Egress Policy
OSS name	egressPolicyObjectPointer
Type	POINTER
Default	Access Egress:1
Tab|Panel	QoS|General

Table 61-25 Egress Queue Group Template Policy

Name	Value
Displayed name	Egress Queue Group Template Policy
OSS name	egressPortQueueGroupPointer
Type	POINTER
Tab|Panel	QoS|General|Port Redirect
Description	Specifies the egress access port queue-group policy pointer for this SAP.

Table 61-26 Egress Scheduler

Name	Value
Displayed name	Egress Scheduler
OSS name	egressSchedulerObjectPointer
Type	POINTER
Tab|Panel	Schedulers|Egress Scheduler

Table 61-27 Enable Aggregate Rate Limit

Name	Value
Displayed name	Enable Aggregate Rate Limit
OSS name	egressAggRateLimitEnabled
Type	BOOL
Default	false
Tab|Panel	Schedulers|Egress Aggregate Rate Limit CIR PIR
Description	Specifies whether Aggregate Rate Limit is enabled on this site.

Table 61-28 Enable Egress Forwarding

Name	Value
Displayed name	Enable Egress Forwarding
OSS name	sapEgressStatsEnable
Type	BOOL
Default	false
Tab|Panel	Accounting|7210 Specific

Table 61-29 Enable Egress Packets Forwarding

Name	Value
Displayed name	Enable Egress Packets Forwarding
OSS name	sapEgressStatsPktsMode
Type	BOOL
Default	false
Tab|Panel	Accounting|7210 Specific

Table 61-30 Enable Ingress Forwarding

Name	Value
Displayed name	Enable Ingress Forwarding
OSS name	sapIngressStatsEnable
Type	BOOL
Default	false
Tab|Panel	Accounting|7210 Specific

Table 61-31 Enable Port Redundancy

Name	Value
Displayed name	Enable Port Redundancy
OSS name	enablePortRedundancy
Type	BOOL
Default	false
Tab|Panel	Port|Port Redundancy
Description	Indicates whether to enable the backup port configuration for manual switching. Currently it is only applicable to Epipe and Cpipe on 7x50/7710/7705 node.

Table 61-32 Encapsulation Type

Name	Value
Displayed name	Encapsulation Type
OSS name	encapType
Type	equipment.PortEncapType
Default	unspecified
Read-only	yes
Tab|Panel	Port|General
Enumerated types	
ATM	
BCP Dot1 Q	
BCP Null	
CEM	
FR	
Cisco HDLC	
IPCP	
MPLS	
Null	
PPP Auto	
Dot1 Q	
Q in Q	
HDLC	
N/A	
WAN Mirror	

Table 61-33 Endpoint

Name	Value
Displayed name	Endpoint
OSS name	endpointName
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	General|Redundancy
Description	The name of the endpoint which this SAP is associated to.

Table 61-34 Ethernet CFM Monitor Flags

Name	Value
Displayed name	Ethernet CFM Monitor Flags
OSS name	cpmProtEthCfmMonitorFlags
Type	mirror.EthCfmMonitorFlagsType
Default	0
Tab|Panel	Security|General

Table 61-35 Frame-Based Accounting

Name	Value
Displayed name	Frame-Based Accounting
OSS name	egressFrameBaseAccounting
Type	BOOL
Default	false
Tab|Panel	Schedulers|Egress Aggregate Rate Limit

Table 61-36 Ingress Counter Mode

Name	Value
Displayed name	Ingress Counter Mode
OSS name	sapIngressCounterMode
Type	mirror.SapIngressCounterMode
Default	packet

(1 of 2)

Name	Value
Tab|Panel	Accounting|7210 Specific

(2 of 2)

Table 61-37 Ingress Counter Type

Name	Value
Displayed name	Ingress Counter Type
OSS name	sapIngressCounterType
Type	mirror.SapIngressCounterType
Default	inOutProfileCount
Tab|Panel	Accounting|7210 Specific

Table 61-38 Ingress Filter

Name	Value
Displayed name	Ingress Filter
OSS name	ingressFilterPointer
Type	POINTER
Tab|Panel	ACL|IP Filter

Table 61-39 Ingress Match QinQ Dot1P

Name	Value
Displayed name	Ingress Match QinQ Dot1P
OSS name	ingressMatchQinqDot1pBits
Type	rtr.MatchQinqDot1pBitsType
Default	None
Tab|Panel	QoS|General
Enumerated types	
Bottom	
None	
Top	

Table 61-40 Ingress Meter

Name	Value
Displayed name	Ingress Meter
OSS name	sapIngressWithAggregateMeter
Type	generic.TruthValue
Tab|Panel	QoS|Aggregate Rate Limit

Table 61-41 Ingress Meter Burst

Name	Value
Displayed name	Ingress Meter Burst
OSS name	sapIngressAggregateMeterBurst
Type	INT
Minimum	-1
Maximum	2146959
Default	-1
Tab|Panel	QoS|Aggregate Rate Limit

Table 61-42 Ingress Meter Rate

Name	Value
Displayed name	Ingress Meter Rate
OSS name	sapIngressAggregateMeterRate
Type	INT
Minimum	-1
Maximum	20000000
Default	0
Units	kbps
Tab|Panel	QoS|Aggregate Rate Limit

Table 61-43 Ingress Policy

Name	Value
Displayed name	Ingress Policy
OSS name	ingressPolicyObjectPointer

(1 of 2)

Name	Value
Type	POINTER
Default	Access Ingress:1
Tab|Panel	QoS|General
Description	Specifies the SAP-Ingress QoS for the SAP. For L3 when changing the port the SAP will retain the originalSAP-Ingress QoS selected unless explicitly changed.

(2 of 2)

Table 61-44 Ingress Queue Group Template Policy

Name	Value
Displayed name	Ingress Queue Group Template Policy
OSS name	ingressQueueGroupName
Type	STRING
Tab|Panel	QoS|General|Forwarding Plane Redirect
Description	Specifies the forwarding-plane queue group instance for this SAP. For L3 when changing the port the SAP will retain the original forwarding-plane queue group instance selected unless explicitly changed.

Table 61-45 Ingress Scheduler

Name	Value
Displayed name	Ingress Scheduler
OSS name	ingressSchedulerObjectPointer
Type	POINTER
Tab|Panel	Schedulers|Ingress Scheduler

Table 61-46 Inner Encapsulation Value

Name	Value
Displayed name	Inner Encapsulation Value
OSS name	innerEncapValue
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	Port|General

(1 of 2)

Name	Value
Description	Provisioned inner encap value. This value is propagated into: terminatedPortInnerEncapValue.

(2 of 2)

Table 61-47 Instance ID

Name	Value
Displayed name	Instance ID
OSS name	ingressInstanceId
Type	LONG
Minimum	0
Maximum	65535
Default	0
Tab|Panel	QoS|General|Forwarding Plane Redirect
Description	Specifies the instance id of the forwarding-plane queue group instance for this SAP. For L3 when changing the port the SAP will retain the original instance id selected unless explicitly changed.

Table 61-48 IPv6 Egress Filter

Name	Value
Displayed name	IPv6 Egress Filter
OSS name	egressIpv6FilterPointer
Type	POINTER
Tab|Panel	ACL|IPv6 Filter

Table 61-49 IPv6 Ingress Filter

Name	Value
Displayed name	IPv6 Ingress Filter
OSS name	ingressIpv6FilterPointer
Type	POINTER
Tab|Panel	ACL|IPv6 Filter

Table 61-50 Limit Unused Bandwidth

Name	Value
Displayed name	Limit Unused Bandwidth
OSS name	egressAggRateLUB
Type	BOOL
Default	false
Tab|Panel	Schedulers|Egress Aggregate Rate Limit
Description	Specifies whether to limit the unused bandwidth and allow a tighter control in allocation of bandwidth by HQos.

Table 61-51 MAC Monitoring

Name	Value
Displayed name	MAC Monitoring
OSS name	macMonitoring
Type	BOOL
Default	false
Tab|Panel	Security|General

Table 61-52 Manual Switch Backup State

Name	Value
Displayed name	Manual Switch Backup State
OSS name	redundantSwitchState
Type	mirror.ManualSwitchBackupState
Default	none
Read-only	yes
Tab|Panel	Port|Port Redundancy
Description	Indicates the redundant state of this L2 Access Interface for manual switching.

Table 61-53 Maximum Frame Size Mismatch

Name	Value
Displayed name	Maximum Frame Size Mismatch
OSS name	mtuMismatch
Type	BOOL

(1 of 2)

Name	Value
Default	false
Read-only	yes
Tab|Panel	Port|General
Description	The value is set to 'true' when the provisioned MTU value is greater than the actual MTU value (provisionedMtu > actualMtu).

(2 of 2)

Table 61-54 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	40
Mandatory on creation	yes
Tab|Panel	General|General

Table 61-55 NE DDoS Protection Policy

Name	Value
Displayed name	NE DDoS Protection Policy
OSS name	dCpuProtectionPolicyPointer
Type	POINTER
Tab|Panel	Security|General
Description	Pointer specifies the DDoS Protection Policy that's applicable to this interface.

Table 61-56 NE DoS Protection

Name	Value
Displayed name	NE DoS Protection
OSS name	dosProtection
Type	POINTER
Default	NE DoS Protection:254
Tab|Panel	Security|General
Description	Pointer specifies the DoS Protection Policy that's applicable to this interface.

Table 61-57 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	mirror.OperationalState
Default	unknown
Read-only	yes
Tab|Panel	General|General

Table 61-58 Outer Encapsulation Value

Name	Value
Displayed name	Outer Encapsulation Value
OSS name	outerEncapValue
Type	INT
Minimum	0
Maximum	4095
Default	0
Tab|Panel	Port|General
Description	Provisioned outer encap value. This value is propagated into: terminatedPortOuterEncapValue.

Table 61-59 Packet Byte Offset (bytes)

Name	Value
Displayed name	Packet Byte Offset (bytes)
OSS name	hsmdaEgrQosPackByteOffOvrd
Type	INT
Minimum	-128
Maximum	31
Default	-128
Tab|Panel	QoS|Egress HSMDA Override
Description	Specifies the Packet Byte Offset of an hsmda egress policy for this service. The value -128 means that there is no override.

Table 61-60 Policer Control Policy

Name	Value
Displayed name	Policer Control Policy
OSS name	egressPolicerPolicyPointer
Type	POINTER
Tab|Panel	Schedulers|Egress Policer Control Policy
Description	Hierarchical Policing Policy applicable to this service

Table 61-61 Policer Control Policy

Name	Value
Displayed name	Policer Control Policy
OSS name	ingressPolicerPolicyPointer
Type	POINTER
Tab|Panel	Schedulers|Ingress Policer Control Policy
Description	Hierarchical Policing Policy applicable to this service

Table 61-62 Port ID

Name	Value
Displayed name	Port ID
OSS name	portId
Type	LONG
Minimum	0
Maximum	4294967296
Default	0
Read-only	yes
Tab|Panel	Port|General

Table 61-63 Port Name

Name	Value
Displayed name	Port Name
OSS name	portName
Type	STRING

(1 of 2)

Name	Value
Maximum	252
Read-only	yes
Tab|Panel	Port|General

(2 of 2)

Table 61-64 Provisioned Maximum Frame Size

Name	Value
Displayed name	Provisioned Maximum Frame Size
OSS name	provisionedMtu
Type	INT
Default	1500
Units	bytes
Read-only	yes
Tab|Panel	Port|General

Table 61-65 SAS Egress Policy

Name	Value
Displayed name	SAS Egress Policy
OSS name	sasEgressPolicyObjectPointer
Type	POINTER
Default	sasAccessEgress:1
Tab|Panel	QoS|7210 Specific

Table 61-66 SAS Ingress Policy

Name	Value
Displayed name	SAS Ingress Policy
OSS name	sasIngressPolicyObjectPointer
Type	POINTER
Default	sasAccessIngress:1
Tab|Panel	QoS|7210 Specific

Table 61-67 Scheduler Mode

Name	Value
Displayed name	Scheduler Mode
OSS name	egressSchedulerMode
Type	mirror.SchedulerMode
Default	fourPriority
Tab|Panel	Schedulers|Egress Scheduler
Description	Specifies the mode that the egress scheduler is provisioned for this SAP to operate in. All MDAs can support four-priority mode, but not all MDAs can support sixteen-priority mode.

Table 61-68 Scheduler Mode

Name	Value
Displayed name	Scheduler Mode
OSS name	ingressSchedulerMode
Type	mirror.SchedulerMode
Default	fourPriority
Tab|Panel	Schedulers|Ingress Scheduler
Description	Specifies the mode that the ingress scheduler is provisioned for this SAP to operate in. All MDAs can support four-priority mode, but not all MDAs can support sixteen-priority mode.

Table 61-69 Service ID

Name	Value
Displayed name	Service ID
OSS name	serviceId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Service

Table 61-70 Service Name

Name	Value
Displayed name	Service Name

(1 of 2)

Name	Value
OSS name	serviceName
Type	STRING
Minimum	0
Maximum	64
Read-only	yes
Tab|Panel	General|Service

(2 of 2)

Table 61-71 Service Type

Name	Value
Displayed name	Service Type
OSS name	serviceType
Type	service.ServiceType
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Apipe	
Cpipe	
Epipe	
Fpipe	
Hpipe	
IES	
Inconsistent	
Ipipe	
IPsec	
MIRROR	
MVPLS	
SPB-BVLAN	
Unknown	
VLAN	
VPLS	
VPRN	

Table 61-72 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 61-73 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 61-74 Source MAC Address

Name	Value
Displayed name	Source MAC Address
OSS name	ipMirrorSourceMacAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	IP Mirror MAC Addresses|Egress
Description	Specifies the MAC address to be used for the Source MAC Address field in the mirrored packets when using IP mirror service. Applies only when encapsulationType is set to IP-Only and is local mirroring.

Table 61-75 State Cause

Name	Value
Displayed name	State Cause
OSS name	operationalFlags

(1 of 3)

Name	Value
Type	service.SapOperFlags
Read-only	yes
Tab|Panel	General|General
Description	Specifies all the conditions that affect the operating status of this access interface.
Enumerated types	
Egress Named Pool Mismatch Description: Invalid named-pool on the egress side.	
Egress Policer Mismatch Description: Indicate egress policer is parented to non-existent arbiter.	
Egress QoS Mismatch Description: Mismatch between egress QoS and Scheduler policies.	
Ethernet Ring Path Blocked Description: Indicates eth-ring path is blocked.	
Misconfiguration for Eth-Tunnel SAP Description: Missing tag(s) for Eth-Tunnel SAP.	
Ingress Named Pool Mismatch Description: Invalid named-pool on the ingress side.	
Ingress Policer Mismatch Description: Indicate ingress policer is parented to non-existent arbiter.	
Ingress QoS Mismatch Description: Mismatch between ingress QoS and Scheduler policies.	
IP Interface Admin Down Description: The IP Interface is administratively down. Only applicable to IES and VPRN services.	
IP Mirror No MAC Address Description: No MAC Address configured for the ip-mirror.	
L2 PVC/PVP Oper Down Description: Layer 2 PVC/PVP is operationally down. Only applicable to Frame Relay and ATM access ports.	
OAM down MEP fault detected Description: ETH-CFM down MEP fault detected.	
OAM Tunnel MEP fault Description: Indicates Eth-CFM Tunnel MEP fault detected.	
OAM up MEP fault detected Description: ETH-CFM up MEP fault detected.	
Operational Group Down Description: The operational group monitored is down	
Port MTU Too Small Description: The MTU of the access port is too small.	
Port Oper Down Description: The access port is operationally down.	
Received Protected Source MAC Description: Received a packet with a protected source MAC. Applicable to any VPLS service only.	
Relearn Limit Exceeded Description: MAC relearn limit was exceeded. Applicable to any VPLS service only.	
SAP Admin Down Description: The Access Interface is administratively down.	
ECID Or MAC Address Not Configured Description: ECID or MAC address not configured (CEM SAP only).	
Epipe SAP No Ring Node Description: No MAC Address configured for the ip-mirror.	
Ipipe SAP No CE IP Address Description: CE Address not configured for Ipipe Access Interface. Only applicable to Ipipe service.	
No Resources Upon Reboot-MSS SAP-TOD	
Service Specific Local Parameter Mismatch Description: Service specific local parameter mismatch.	
Standby For BGP Multi-homing Description: Indicates the SAP is standby because of a BGP multi-home protocol.	
Standby For MC-Lag Description: MC-Lag keeps this SAP standby for the corresponding SAP on peer.	
Standby For MC-Ring Description: MC-ring keeps this SAP standby for the corresponding SAP on peer.	
Service MTU Too Small Description: Service MTU is less than the SAP payload.	

(2 of 3)

Name	Value
No Resources Upon Reboot-SAP-TOD Description: SAP with TOD had insufficient resources at boot time and got default policies.	
Subscriber Interface Admin Down Description: The Subscriber Interface is administratively down.	
Service Admin Down Description: The Service Site is administratively down.	

(3 of 3)

Table 61-76 State Qualifier

Name	Value
Displayed name	State Qualifier
OSS name	compositeState
Type	mirror.ResourceCompositeState
Default	OK
Read-only	yes
Tab|Panel	General|General
Description	This value is derived from underlyingResourceState and/or resourceState attributes. If the underlyingResourceState is not 'OK' and is not 'unspecified' the value of compositeState will be set to the same value as underlyingResourceState. Otherwise the value of compositeState will be set to the same value as resourceState.

Table 61-77 SVC Mgr Service ID

Name	Value
Displayed name	SVC Mgr Service ID
OSS name	svcComponentId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Service

Table 61-78 Terminated Port Class Name

Name	Value
Displayed name	Terminated Port Class Name
OSS name	terminatedPortClassName
Type	STRING
Maximum	252

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	Port|General

(2 of 2)

Table 61-79 Terminating Port

Name	Value
Displayed name	Terminating Port
OSS name	portPointer
Type	STRING
Maximum	252
Tab|Panel	Port|General

Table 61-80 Time of Day Suite

Name	Value
Displayed name	Time of Day Suite
OSS name	todSuitePointer
Type	POINTER
Tab|Panel	TOD Suite|General
Description	Pointer to the instance of the ToD Suite object.

Table 61-81 Underlying Port State

Name	Value
Displayed name	Underlying Port State
OSS name	underlyingResourceState
Type	mirror.UnderlyingResourceState
Default	noAssociation
Read-only	yes
Tab|Panel	Port|General
Description	State of the underlying resource. (An underlying resource is for example a netw.ConnectionTerminationPoint)

Table 61-82 Use Shared Queue

Name	Value
Displayed name	Use Shared Queue
OSS name	sharedQueueOn
Type	BOOL
Default	false
Tab|Panel	QoS|Shared Queue

Table 61-83 WRR Policy

Name	Value
Displayed name	WRR Policy
OSS name	hsmdaEgrQosWrrPlcyOvrd
Type	POINTER
Tab|Panel	QoS|Egress HSMDA Override
Description	HSMDA WRR Policy is the Weighted Round Robin (WRR) policy

62 — L2 Access Interface FIB

Table 62-1 L2 Access Interface FIB parameters

Parameters	
Aging Enabled	Port
Auto Learn MAC Protect	Port ID
Discard Unknown Source	Restrict Protected Source
Entries	Restrict Protected Source Action
Inner Encap Value	Restrict Unprotected Destination
Learning Enabled	Service ID
Limit MAC Move	Service Name
Limit MAC Move Level	Site ID
MAC Address	Site Name
MAC Move Left after Max. Rate Exceeded	Static Entries
MAC Move Time before Next Auto Up	Subscriber ID
Maximum Entries	Subscriber Name
Outer Encap Value	

Table 62-2 Aging Enabled

Name	Value
Displayed name	Aging Enabled
OSS name	agingEnabled
Type	generic.TruthValue
Tab|Panel	General|Properties

Table 62-3 Auto Learn MAC Protect

Name	Value
Displayed name	Auto Learn MAC Protect
OSS name	autoLearnMacProtect
Type	generic.TruthValue
Tab|Panel	General|Properties
Description	Specifies whether to enable automatic population of the MAC protect list with source MAC addresses learned on the associated SAP

Table 62-4 Discard Unknown Source

Name	Value
Displayed name	Discard Unknown Source
OSS name	discardUnknownSource
Type	generic.TruthValue
Tab|Panel	General|Properties

Table 62-5 Entries

Name	Value
Displayed name	Entries
OSS name	entries
Type	LONG
Default	0
Tab|Panel	General|Properties

Table 62-6 Inner Encap Value

Name	Value
Displayed name	Inner Encap Value
OSS name	innerEncapValue
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Port

Table 62-7 Learning Enabled

Name	Value
Displayed name	Learning Enabled
OSS name	learningEnabled
Type	generic.TruthValue
Tab|Panel	General|Properties

Table 62-8 Limit MAC Move

Name	Value
Displayed name	Limit MAC Move
OSS name	limitMacMove
Type	l2fwd.LimitMacMove
Default	Blockable
Tab|Panel	General|Properties
Enumerated types	
Blockable	
Non-Blockable	

Table 62-9 Limit MAC Move Level

Name	Value
Displayed name	Limit MAC Move Level
OSS name	limitMacMoveLevel
Type	l2fwd.MacMoveLevel
Default	Tertiary
Tab|Panel	General|Properties
Description	The value specifies the hierarchy in which SAPs are blocked when a MAC-move limit is exceeded. When a MAC is moving among multiple SAPs or spoke-SDPs, the SAP bind or spoke-SDP bind with the lower level is blocked first. (tertiary is the lowest)
Enumerated types	
Primary	
Secondary	
Tertiary	

62 — L2 Access Interface FIB

Table 62-10 MAC Address

Name	Value
Displayed name	MAC Address
OSS name	macMoveMacAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|Properties

Table 62-11 MAC Move Left after Max. Rate Exceeded

Name	Value
Displayed name	MAC Move Left after Max. Rate Exceeded
OSS name	macMoveRateExcdLeft
Type	INT
Default	0
Tab|Panel	General|Properties

Table 62-12 MAC Move Time before Next Auto Up

Name	Value
Displayed name	MAC Move Time before Next Auto Up
OSS name	macMoveNextUpTime
Type	LONG
Default	0
Units	seconds
Tab|Panel	General|Properties
Description	Time in seconds until a SAP that has been brought down due to exceeding the macMoveFrequency on the service site, sapOperFlags 'relearnLimitExceeded', is automatically brought up again. When this value is 0xffff, the SAP will never be automatically brought up. When the value is zero the SAP is 'up'.

Table 62-13 Maximum Entries

Name	Value
Displayed name	Maximum Entries
OSS name	maxEntries
Type	LONG

(1 of 2)

Name	Value
Minimum	0
Maximum	131071
Default	0
Tab|Panel	General|Properties

(2 of 2)

Table 62-14 Outer Encap Value

Name	Value
Displayed name	Outer Encap Value
OSS name	outerEncapValue
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Port

Table 62-15 Port

Name	Value
Displayed name	Port
OSS name	portName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Port

Table 62-16 Port ID

Name	Value
Displayed name	Port ID
OSS name	portId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Port

Table 62-17 Restrict Protected Source

Name	Value
Displayed name	Restrict Protected Source
OSS name	restrictProtectedSource
Type	generic.TruthValue
Tab|Panel	General|Properties

Table 62-18 Restrict Protected Source Action

Name	Value
Displayed name	Restrict Protected Source Action
OSS name	restrictProtectedSourceAction
Type	service.RestrictProtectedSourceAction
Default	Disabled
Tab|Panel	General|Properties
Enumerated types	
Alarm-Only	
Disabled	
Discard-Frame	

Table 62-19 Restrict Unprotected Destination

Name	Value
Displayed name	Restrict Unprotected Destination
OSS name	restrictUnprotectedDestination
Type	generic.TruthValue
Tab|Panel	General|Properties

Table 62-20 Service ID

Name	Value
Displayed name	Service ID
OSS name	serviceId
Type	LONG
Default	0

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|Service

(2 of 2)

Table 62-21 Service Name

Name	Value
Displayed name	Service Name
OSS name	serviceName
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Service

Table 62-22 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 62-23 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 62-24 Static Entries

Name	Value
Displayed name	Static Entries
OSS name	staticEntries
Type	LONG
Default	0
Tab|Panel	General|Properties

Table 62-25 Subscriber ID

Name	Value
Displayed name	Subscriber ID
OSS name	subscriberId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Subscriber

Table 62-26 Subscriber Name

Name	Value
Displayed name	Subscriber Name
OSS name	subscriberName
Type	STRING
Maximum	32
Read-only	yes
Tab|Panel	General|Subscriber

63 — L2AccessInterfaceIgmpSnpgCfg

Table 63-1 L2AccessInterfaceIgmpSnpgCfg parameters

Parameters	
Available Bandwidth for Mandatory Channels	Mandatory Bandwidth
Available Bandwidth for Optional Channels	Maximum Number of Groups
Bandwidth Values in Transit	Maximum Number of Group Sources per Group
Constraint Administration State	Maximum Number of Sources per Group
Disable Router Alert Check	Maximum Response Interval
Fast-Leave	Multicast CAC Policy
General Query Interval	Multicast Router Attached
IGMP Version	Name
Import Policy	Robust Count
In Use Bandwidth by Mandatory Channels	Send Queries
In Use Bandwidth by Optional Channels	Unconstrained Bandwidth
Last Member Query Interval	

Table 63-2 Available Bandwidth for Mandatory Channels

Name	Value
Displayed name	Available Bandwidth for Mandatory Channels
OSS name	availableMandatoryBw
Type	LONG
Default	0
Units	kbps
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|Multicast CAC
Description	The available bandwidth on the interface for mandatory channels

(2 of 2)

Table 63-3 Available Bandwidth for Optional Channels

Name	Value
Displayed name	Available Bandwidth for Optional Channels
OSS name	availableOptionalBw
Type	LONG
Default	0
Units	kbps
Read-only	yes
Tab|Panel	General|Multicast CAC
Description	The available bandwidth on the interface for optional channels

Table 63-4 Bandwidth Values in Transit

Name	Value
Displayed name	Bandwidth Values in Transit
OSS name	bwValuesInTransit
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Multicast CAC
Description	Indicates that the operational (available and in-use mandatory/optional) value for the following objects are in transition due to configuration change: inUseMandatoryBw inUseOptionalBw availableMandatoryBw availableOptionalBw When Multicast CAC Policy is applied on the interface for the join of the next channel, the operational values will be recalculated and applied to the above objects and the value for bwValuesInTransit will be set to 'false'. If the value of bwValuesInTransit is 'true' then the values are in transition.

Table 63-5 Constraint Administration State

Name	Value
Displayed name	Constraint Administration State
OSS name	mCacConstAdminState

(1 of 2)

Name	Value
Type	netw.AdministrativeState
Default	Up
Tab|Panel	General|Multicast CAC
Description	The administrative state of the multicast CAC policy's constraints.
Enumerated types	
Down	
Up	
Unknown	
Inherit	
Not Operational	
Testing	
N/A	
Noop	

(2 of 2)

Table 63-6 Disable Router Alert Check

Name	Value
Displayed name	Disable Router Alert Check
OSS name	disRtrAlertChk
Type	BOOL
Default	false
Tab|Panel	General|General
Description	It is used to enable/disable router alert checking for IGMP messages received on this interface. If this flag is set to 'true', checking is disabled.

Table 63-7 Fast-Leave

Name	Value
Displayed name	Fast-Leave
OSS name	fastLeave
Type	vpls.IgmpSnoopingAdminState
Default	Disabled
Tab|Panel	General|General
Enumerated types	
Disabled	
Enabled	

Table 63-8 General Query Interval

Name	Value
Displayed name	General Query Interval
OSS name	genQueryInterval
Type	INT
Minimum	2
Maximum	1024
Default	125
Units	seconds
Tab|Panel	General|Queries

Table 63-9 IGMP Version

Name	Value
Displayed name	IGMP Version
OSS name	igmpVersion
Type	vpls.IgmpVersionType
Minimum	1
Maximum	3
Default	3
Tab|Panel	General|Queries
Enumerated types	
Version 1	
Version 2	
Version 3	

Table 63-10 Import Policy

Name	Value
Displayed name	Import Policy
OSS name	importPolicy
Type	STRING
Maximum	32
Tab|Panel	General|General

Table 63-11 In Use Bandwidth by Mandatory Channels

Name	Value
Displayed name	In Use Bandwidth by Mandatory Channels
OSS name	inUseMandatoryBw
Type	LONG
Default	0
Units	kbps
Read-only	yes
Tab|Panel	General|Multicast CAC
Description	The bandwidth already taken on the interface by mandatory channels

Table 63-12 In Use Bandwidth by Optional Channels

Name	Value
Displayed name	In Use Bandwidth by Optional Channels
OSS name	inUseOptionalBw
Type	LONG
Default	0
Units	kbps
Read-only	yes
Tab|Panel	General|Multicast CAC
Description	The bandwidth already taken on the interface by optional channels

Table 63-13 Last Member Query Interval

Name	Value
Displayed name	Last Member Query Interval
OSS name	lastMemberInterval
Type	INT
Minimum	1
Maximum	50
Default	10
Units	tenths of seconds
Tab|Panel	General|Groups

Table 63-14 Mandatory Bandwidth

Name	Value
Displayed name	Mandatory Bandwidth
OSS name	preRsvdMandatoryBandwidth
Type	INT
Minimum	-1
Maximum	2147483647
Default	-1
Units	kbps
Tab|Panel	General|Multicast CAC
Description	The value of preRsvdMandatoryBandwidth specifies the bandwidth pre-reserved for all the mandatory channels on a given interface in kilo-bits per second(kbps). If the value of unconstrainedBandwidth is '0', no mandatory channels are allowed. If the value of unconstrainedBandwidth is '-1', then all mandatory and optional channels are allowed. If the value of preRsvdMandatoryBandwidth is equal to the value of unconstrainedBandwidth, then all the unconstrained bandwidth on a given interface is allocated to mandatory channels configured through multicast cac policy on that interface and no optional groups (channels) are allowed. The value of preRsvdMandatoryBandwidth should be set to the same as unconstrainedBandwidth if the latter is set to either '-1' or '0'. The value of preRsvdMandatoryBandwidth should always be less than or equal to that of unconstrainedBandwidth.

Table 63-15 Maximum Number of Groups

Name	Value
Displayed name	Maximum Number of Groups
OSS name	maxNbrGroups
Type	INT
Minimum	0
Maximum	2047
Default	0
Tab|Panel	General|Groups

Table 63-16 Maximum Number of Group Sources per Group

Name	Value
Displayed name	Maximum Number of Group Sources per Group
OSS name	maxNbrGrpSourcesPerGroup
Type	INT
Minimum	0

(1 of 2)

Name	Value
Maximum	32000
Default	0
Tab|Panel	General|Groups
Description	Specifies how many group source addresses are allowed per group address for this SAP.

(2 of 2)

Table 63-17 Maximum Number of Sources per Group

Name	Value
Displayed name	Maximum Number of Sources per Group
OSS name	maxNbrSourcesPerGroup
Type	INT
Minimum	0
Maximum	1000
Default	0
Tab|Panel	General|Groups
Description	Specifies how many source addresses are allowed per group address for this SAP.

Table 63-18 Maximum Response Interval

Name	Value
Displayed name	Maximum Response Interval
OSS name	queryResponseInterval
Type	INT
Minimum	1
Maximum	1023
Default	10
Units	seconds
Tab|Panel	General|Queries

Table 63-19 Multicast CAC Policy

Name	Value
Displayed name	Multicast CAC Policy
OSS name	mCastCacPolicyPointer

(1 of 2)

Name	Value
Type	POINTER
Tab|Panel	General|Multicast CAC
Description	Pointer to the instance of the multicast cac policy object.

(2 of 2)

Table 63-20 Multicast Router Attached

Name	Value
Displayed name	Multicast Router Attached
OSS name	mrouterAttached
Type	BOOL
Default	false
Tab|Panel	General|Multicast Router

Table 63-21 Name

Name	Value
Displayed name	Name
OSS name	mCastCacPolicyName
Type	STRING
Minimum	0
Maximum	32
Read-only	yes
Tab|Panel	General|Multicast CAC
Description	The name of the CLI Configured multicast CAC policy. This policy might not be configured/exist on the node. In this case mCastCacPolicyPointer is set to its default value.

Table 63-22 Robust Count

Name	Value
Displayed name	Robust Count
OSS name	robustCount
Type	INT
Minimum	2
Maximum	7
Default	2

(1 of 2)

Name	Value
Tab|Panel	General|Queries

(2 of 2)

Table 63-23 Send Queries

Name	Value
Displayed name	Send Queries
OSS name	sendQueries
Type	vpls.IgmpSnoopingAdminState
Default	Disabled
Tab|Panel	General|Queries
Enumerated types	
Disabled	
Enabled	

Table 63-24 Unconstrained Bandwidth

Name	Value
Displayed name	Unconstrained Bandwidth
OSS name	unconstrainedBandwidth
Type	INT
Minimum	-1
Maximum	2147483647
Default	-1
Units	kbps
Tab|Panel	General|Multicast CAC
Description	The bandwidth assigned for interface's multicast cac policy traffic in kilo-bits per second(kbps). If the default value of '0' is set, then the value will be set to the physical bandwidth available for the interface.

64 — L2AccessInterfaceIgmpSnpgStaticMcastGrp

Table 64-1 L2AccessInterfaceIgmpSnpgStaticMcastGrp parameters

Parameters	
Group Address	Source Address

Table 64-2 Group Address

Name	Value
Displayed name	Group Address
OSS name	grpAddr
Type	INETADDR
Mandatory on creation	yes
Tab|Panel	General|General

Table 64-3 Source Address

Name	Value
Displayed name	Source Address
OSS name	srcAddr
Type	INETADDR

(1 of 2)

Name	Value
Default	0.0.0.0
Mandatory on creation	yes
Tab|Panel	General|General

(2 of 2)

65 — LACP Configuration

Table 65-1 LACP Configuration parameters

Parameters	
Active Sub-Group Selection Criteria	LACP System Priority
Actor Administration Key	LACP Transmit Interval
Actor Operational Key	LACP Transmit Standby
Actor System ID	Number of Sub-Groups
Actor System Priority	Partner Administration Key
Hold Time Down	Partner Operational Key
LACP	Partner System ID
LACP	Partner System Priority
LACP Enabled	Slave to Partner
LACP Mode	Standby Signalling
LACP System ID	Timeout

Table 65-2 Active Sub-Group Selection Criteria

Name	Value
Displayed name	Active Sub-Group Selection Criteria
OSS name	lacpSelCrit
Type	lag.SelCritEnum
Default	Highest Count
Tab|Panel	LACP|Selection Criteria
Enumerated types	

(1 of 2)

Name	Value
Best Port	
Highest Count	
Highest Weight	

(2 of 2)

Table 65-3 Actor Administration Key

Name	Value
Displayed name	Actor Administration Key
OSS name	actorAdminKey
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	LACP|General
Description	Specifies a unique value used to identify a dynamic LAG

Table 65-4 Actor Operational Key

Name	Value
Displayed name	Actor Operational Key
OSS name	actorOperKey
Type	INT
Default	0
Read-only	yes
Tab|Panel	LACP|General

Table 65-5 Actor System ID

Name	Value
Displayed name	Actor System ID
OSS name	actorSystemId
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	LACP|General

Table 65-6 Actor System Priority

Name	Value
Displayed name	Actor System Priority
OSS name	actorSystemPriority
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	LACP|General
Description	Specifies the priority of a dynamic LAG in relation to other dynamic LAGs

Table 65-7 Hold Time Down

Name	Value
Displayed name	Hold Time Down
OSS name	lacpHoldTimeDown
Type	INT
Minimum	0
Maximum	2000
Default	0
Units	100s of milliseconds
Tab|Panel	LACP|General

Table 65-8 LACP

Name	Value
Displayed name	LACP
OSS name	lacpActivity
Type	lag.LacpActivityType
Default	Disabled
Tab|Panel	LACP|General
Description	This property specifics the LACP Activity Type (Active/Passive/Disabled) parameter for LAG.
Enumerated types	
Active	
Disabled	

(1 of 2)

Name	Value
Passive	

(2 of 2)

Table 65-9 LACP

Name	Value
Displayed name	LACP
OSS name	lacpEnabled
Type	INT
Default	disabled
Read-only	yes
Tab|Panel	LACP|Lacp
Description	static or Dynamic(LACP enabled)

Table 65-10 LACP Enabled

Name	Value
Displayed name	LACP Enabled
OSS name	administrativeState
Type	BOOL
Default	false
Tab|Panel	LACP|General

Table 65-11 LACP Mode

Name	Value
Displayed name	LACP Mode
OSS name	lacpMode
Type	INT
Default	passive
Tab|Panel	LACP|General

Table 65-12 LACP System ID

Name	Value
Displayed name	LACP System ID
OSS name	lagSystemId
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	LACP|General

Table 65-13 LACP System Priority

Name	Value
Displayed name	LACP System Priority
OSS name	lagSystemPriority
Type	INT
Minimum	-1
Maximum	65535
Default	-1
Tab|Panel	LACP|General

Table 65-14 LACP Transmit Interval

Name	Value
Displayed name	LACP Transmit Interval
OSS name	lacpTransmitInterval
Type	INT
Default	fast
Tab|Panel	LACP|General

Table 65-15 LACP Transmit Standby

Name	Value
Displayed name	LACP Transmit Standby
OSS name	lacpXmitStdby
Type	BOOL
Default	true

(1 of 2)

Name	Value
Tab|Panel	LACP|General

(2 of 2)

Table 65-16 Number of Sub-Groups

Name	Value
Displayed name	Number of Sub-Groups
OSS name	lacpNbrOfSubGroups
Type	INT
Default	0
Read-only	yes
Tab|Panel	LACP|Selection Criteria

Table 65-17 Partner Administration Key

Name	Value
Displayed name	Partner Administration Key
OSS name	partnerAdminKey
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	LACP|General

Table 65-18 Partner Operational Key

Name	Value
Displayed name	Partner Operational Key
OSS name	partnerOperKey
Type	INT
Default	0
Read-only	yes
Tab|Panel	LACP|General

Table 65-19 Partner System ID

Name	Value
Displayed name	Partner System ID
OSS name	partnerSystemId
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	LACP|General

Table 65-20 Partner System Priority

Name	Value
Displayed name	Partner System Priority
OSS name	partnerSystemPriority
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	LACP|General

Table 65-21 Slave to Partner

Name	Value
Displayed name	Slave to Partner
OSS name	lacpSelCritSlaveToPartner
Type	BOOL
Default	false
Tab|Panel	LACP|Selection Criteria

Table 65-22 Standby Signalling

Name	Value
Displayed name	Standby Signalling
OSS name	standbySignalling
Type	lag.StandbySignallingEnum
Default	LACP

(1 of 2)

Name	Value
Tab|Panel	LACP|General
Enumerated types	
LACP	
Power Off	

(2 of 2)

Table 65-23 Timeout

Name	Value
Displayed name	Timeout
OSS name	lacpTimeout
Type	lag.LacpTimeoutType
Default	Long
Tab|Panel	LACP|General
Description	This property specifics the LACP Timeout parameter for LAG.
Enumerated types	
Long	
Short	

66 — LAG

Table 66-1 LAG parameters

Parameters	
Accounting Policy	Enable SAP Per Flex Path
Accounting Policy	Encap Type
Actual Speed	Equipped
Administrative State	Hardware Address
Administrative State	Hardware Class
Administrative State	Hash
Automatic VLAN Binding	Holding IGH
Background Diagnostics Fault Reason	Hold Time Down
Background Diagnostics State	Hold Time Units
Bandwidth	Hold Time Up
Class	HSMDA Egress Scheduler Policy
CLEI Code	Ingress Available Bandwidth
CLI Name	Interface ID
Collect Accounting Statistics	L2 Profile
Collect Accounting Statistics	L2 Profile
Configured Address	L2Uplink
Configured Speed	Lag Aggregation Type
Containing Equipment Status	LAG ID
Description	Link Trap
Description	Link Up
Dynamic Cost	Load Balance Algorithm
Egress Available Bandwidth	LOS Propagation
Enable Lag Access Including Egress Hash Config	LPT Consequent Action
Enable Per Forwarding Path Egress Queue	Manufacture Date
Enable Per Forwarding Path Ingress Queue	Manufacturer

(1 of 2)

Parameters	
Manufacturing Assembly No	Queue 2
Manufacturing Deviations	Queue 3
Manufacturing Variant	Queue 4
MC LAG Info	Queue 5
MC LAG Member Info	Queue 6
Min Size	Queue 7
Mode	Queue 8
MTU	Reason Down
MTU	Serial Number
Name	Site ID
Name	Site Name
Network Queue Policy Name	Size
Number of Attached Ports	Size
Number of Selected Ports	SPB Service Mode
Operational Speed	Speed
Operational State	Split Horizon Group
Operational State	State
Part Number	Status
Per-Link Hashing	Subrack Connection
Port Scheduler Policy	SVLAN Tag Protocol ID
Port Threshold	Type
Port Threshold Action	UNI Profile
Port Type	UNI Profile
Port Usage	User label
Previous State	Vlan Xlation Mode
Primary Member	VPLS Mode
QoS Adaptation	Wait to Restore
Queue 1	

(2 of 2)

Table 66-2 Accounting Policy

Name	Value
Displayed name	Accounting Policy
OSS name	etherAccountingPolicyObjectPointer
Type	POINTER
Tab|Panel	Policies.General|Ethernet Accounting

Table 66-3 Accounting Policy

Name	Value
Displayed name	Accounting Policy
OSS name	accountingPolicyObjectPointer

(1 of 2)

Name	Value
Type	POINTER
Tab|Panel	Policies.General|Accounting

(2 of 2)

Table 66-4 Actual Speed

Name	Value
Displayed name	Actual Speed
OSS name	actualSpeed
Type	LONG
Default	0
Units	kbps
Read-only	yes
Tab|Panel	General|General

Table 66-5 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	lag.AdministrativeState
Default	noop
Tab|Panel	General|Equipment

Table 66-6 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	lag.AdministrativeState
Default	noop
Tab|Panel	General|General

Table 66-7 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	lag.AdministrativeState
Default	noop
Tab|Panel	States|General

Table 66-8 Automatic VLAN Binding

Name	Value
Displayed name	Automatic VLAN Binding
OSS name	vlanAutoBind
Type	BOOL
Default	true
Tab|Panel	General|General

Table 66-9 Background Diagnostics Fault Reason

Name	Value
Displayed name	Background Diagnostics Fault Reason
OSS name	backgroundDiagnosticsFaultReason
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 66-10 Background Diagnostics State

Name	Value
Displayed name	Background Diagnostics State
OSS name	backgroundDiagnosticsState
Type	lag.BackgroundDiagnosticsStateType
Default	unknown
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 66-11 Bandwidth

Name	Value
Displayed name	Bandwidth
OSS name	lagBandwidth
Type	LONG
Units	Mbps
Read-only	yes
Tab|Panel	Link Aggregation Group|Bandwidth Attributes
Description	The LAG Speed.

Table 66-12 Class

Name	Value
Displayed name	Class
OSS name	portClass
Type	lag.PortClass
Default	none
Read-only	yes
Tab|Panel	General|General

Table 66-13 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING
Minimum	0
Maximum	16
Read-only	yes
Tab|Panel	General|Equipment Location Codes

Table 66-14 CLI Name

Name	Value
Displayed name	CLI Name

(1 of 2)

Name	Value
OSS name	portName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

(2 of 2)

Table 66-15 Collect Accounting Statistics

Name	Value
Displayed name	Collect Accounting Statistics
OSS name	collectStats
Type	BOOL
Default	true
Tab|Panel	Policies.General|Accounting

Table 66-16 Collect Accounting Statistics

Name	Value
Displayed name	Collect Accounting Statistics
OSS name	etherCollectStats
Type	BOOL
Default	false
Tab|Panel	Policies.General|Ethernet Accounting

Table 66-17 Configured Address

Name	Value
Displayed name	Configured Address
OSS name	macAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|General

Table 66-18 Configured Speed

Name	Value
Displayed name	Configured Speed
OSS name	lagConfiguredSpeed
Type	STRING
Maximum	25
Read-only	yes
Tab|Panel	General|General
Description	This property specifies the total configured speed of the LAG. This is calculated from the "speed" property of the Ports which are LAG Members. As the "speed" is an ENUM, it can have an speed value which is an integer (X Gbps, Y Mbps, etc.) or it can have an String value (Line Rate, Auto Speed, etc.), hence this property is defined as a STRING to take care of both the cases. We try to get the integer value first and add it to come up with the total value, in case we dont have an integer value and have an ENUM, we set the value of this property to ENUM itself.

Table 66-19 Containing Equipment Status

Name	Value
Displayed name	Containing Equipment Status
OSS name	containingEquipmentState
Type	lag.ContainingEquipmentState
Default	indeterminate
Read-only	yes
Tab|Panel	States|General

Table 66-20 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	256
Tab|Panel	General|General

Table 66-21 Description

Name	Value
Displayed name	Description
OSS name	portAccessDescription
Type	STRING
Minimum	0
Maximum	80
Default	no
Tab|Panel	General|Service Access Info
Description	This property is specific to AOS family

Table 66-22 Dynamic Cost

Name	Value
Displayed name	Dynamic Cost
OSS name	dynamicCosting
Type	BOOL
Default	false
Tab|Panel	Link Aggregation Group|General

Table 66-23 Egress Available Bandwidth

Name	Value
Displayed name	Egress Available Bandwidth
OSS name	lagEgressAvailBandwidth
Type	LONG
Units	Mbps
Read-only	yes
Tab|Panel	Link Aggregation Group|Bandwidth Attributes
Description	Indicate the remaining Egress Bandwidth of the LAG.

Table 66-24 Enable Lag Access Including Egress Hash Config

Name	Value
Displayed name	Enable Lag Access Including Egress Hash Config

(1 of 2)

Name	Value
OSS name	includeEgrHashCfg
Type	BOOL
Default	false
Tab|Panel	Access|General
Description	LagIncludeEgrHashCfg value specifies whether explicitly configured hashing should factor into the egress buffering and rate distribution (LagAccessAdaptQos). When the value of LagIncludeEgrHashCfg is set to true, all SAPs on this LAG which have explicit hashing configured, the egress HQos and HPol (including queues, policers, schedulers and arbiters) will receive 100% of the configured bandwidth (essentially operating in adapt-qos link mode). For any Multi-Service-Sites assigned to such a LAG, bandwidth will continue to be divided according to adapt-qos distribute mode. An 'inconsistentValue' error is returned if LagIncludeEgrHashCfg is set to true and LagAccessAdaptQos is set to link mode.

(2 of 2)

Table 66-25 Enable Per Forwarding Path Egress Queue

Name	Value
Displayed name	Enable Per Forwarding Path Egress Queue
OSS name	perFpEgrQueuing
Type	BOOL
Default	false
Tab|Panel	Access|General
Description	The value of LagPerFpEgrQueuing specifies whether a more efficient method of queue allocation for LAG SAPs should be utilized. An 'inconsistentValue' error is returned if this object is set to a different value when there are existing port members in the LAG

Table 66-26 Enable Per Forwarding Path Ingress Queue

Name	Value
Displayed name	Enable Per Forwarding Path Ingress Queue
OSS name	perFpIngQueuing
Type	BOOL
Default	false
Tab|Panel	Access|General
Description	LagPerFpIngQueuing value specifies whether a more efficient method of queue allocation for LAG SAPs should be utilized. An 'inconsistentValue' error is returned if this object is set to a different value when there are existing port members in the LAG

Table 66-27 Enable SAP Per Flex Path

Name	Value
Displayed name	Enable SAP Per Flex Path
OSS name	perFpSapInstance
Type	BOOL
Default	false
Tab|Panel	Access|General
Description	The value of perFpSapInstance specifies whether a more efficient method of SAP allocation for LAG SAP's should be utilized. This object may only be set to true, if both tLagPerFpIngQueuing and tLagPerFpEgrQueuing are set to true. An 'inconsistentValue' error is returned if this object is set to false, when there are existing port members in the LAG.

Table 66-28 Encap Type

Name	Value
Displayed name	Encap Type
OSS name	encapType
Type	lag.PortEncapType
Default	nullEncap
Tab|Panel	General|General

Table 66-29 Equipped

Name	Value
Displayed name	Equipped
OSS name	isEquipped
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	States|General

Table 66-30 Hardware Address

Name	Value
Displayed name	Hardware Address
OSS name	hwMacAddress

(1 of 2)

Name	Value
Type	MACADDR
Default	00-00-00-00-00-00
Read-only	yes
Tab|Panel	General|General

(2 of 2)

Table 66-31 Hardware Class

Name	Value
Displayed name	Hardware Class
OSS name	hardwareClass
Type	lag.HardwareClassType
Default	no
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 66-32 Hash

Name	Value
Displayed name	Hash
OSS name	lagAggrHashing
Type	lag.LagAggrHashType
Default	L2
Tab|Panel	Link Aggregation Group|General
Description	LAG Hash Type. This property is specific to 9500 MPR family.
Enumerated types	
L1	
L2	
L3	

Table 66-33 Holding IGH

Name	Value
Displayed name	Holding IGH
OSS name	memberOfIGH
Type	POINTER

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|IGH Membership
Description	ECMP fate sharing group membership

(2 of 2)

Table 66-34 Hold Time Down

Name	Value
Displayed name	Hold Time Down
OSS name	holdTimeDown
Type	INT
Minimum	0
Maximum	5
Default	0
Units	seconds
Tab|Panel	General|Hold Time

Table 66-35 Hold Time Units

Name	Value
Displayed name	Hold Time Units
OSS name	holdTimeUnits
Type	lag.HoldTimeUnitsType
Default	0
Tab|Panel	General|Hold Time

Table 66-36 Hold Time Up

Name	Value
Displayed name	Hold Time Up
OSS name	holdTimeUp
Type	INT
Minimum	0
Maximum	5
Default	0
Units	seconds

(1 of 2)

Name	Value
Tab|Panel	General|Hold Time

(2 of 2)

Table 66-37 HSMDA Egress Scheduler Policy

Name	Value
Displayed name	HSMDA Egress Scheduler Policy
OSS name	portEgrHsmdaSchedulerPolicy
Type	POINTER
Tab|Panel	Policies.General|HSMDA Scheduler
Description	Specifies the hsmda scheduler policy used by this port

Table 66-38 Ingress Available Bandwidth

Name	Value
Displayed name	Ingress Available Bandwidth
OSS name	lagIngressAvailBandwidth
Type	LONG
Units	Mbps
Read-only	yes
Tab|Panel	Link Aggregation Group|Bandwidth Attributes
Description	Indicate the remaining Ingress Bandwidth of the LAG.

Table 66-39 Interface ID

Name	Value
Displayed name	Interface ID
OSS name	snmpPortId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General

Table 66-40 L2 Profile

Name	Value
Displayed name	L2 Profile
OSS name	l2ProfilePointer
Type	POINTER
Tab|Panel	Policies.General|L2 Profile
Description	Pointer to the L2 Profile Policy object.

Table 66-41 L2 Profile

Name	Value
Displayed name	L2 Profile
OSS name	l2ProfilePointer
Type	POINTER
Tab|Panel	Policies|L2 Profile
Description	Pointer to the L2 Profile Policy object.

Table 66-42 L2Uplink

Name	Value
Displayed name	L2Uplink
OSS name	isl2UplinkMode
Type	BOOL
Default	false
Tab|Panel	General|General

Table 66-43 Lag Aggregation Type

Name	Value
Displayed name	Lag Aggregation Type
OSS name	lagAggrType
Type	lag.LagAggrType
Default	Radio L2
Mandatory on creation	yes
Tab|Panel	Link Aggregation Group|General

(1 of 2)

Name	Value
Description	LAG Aggregation Type. This property is specific to 9500 MPR family.
Enumerated types	
Ethernet	
Radio L1	
Radio L2	

(2 of 2)

Table 66-44 LAG ID

Name	Value
Displayed name	LAG ID
OSS name	lagId
Type	INT
Minimum	1
Maximum	200
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 66-45 Link Trap

Name	Value
Displayed name	Link Trap
OSS name	linkTrap
Type	INT
Default	disable
Tab|Panel	General|General

Table 66-46 Link Up

Name	Value
Displayed name	Link Up
OSS name	isLinkUp
Type	BOOL
Default	false
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	States|General

(2 of 2)

Table 66-47 Load Balance Algorithm

Name	Value
Displayed name	Load Balance Algorithm
OSS name	loadBalanceAlgorithm
Type	equipment.PortLoadBalanceAlgorithm
Default	N/A
Tab|Panel	General|General
Description	Specifies the load balancing algorithm to be used on this port.
Enumerated types	
Default	
Exclude L4	
Include L4	
N/A	

Table 66-48 LOS Propagation

Name	Value
Displayed name	LOS Propagation
OSS name	lagLosProp
Type	lag.LosPropagation
Default	LASER ON
Tab|Panel	Link Aggregation Group|General
Description	The LOS propagation of LAG.
Enumerated types	
LASER OFF	
LASER ON	

Table 66-49 LPT Consequent Action

Name	Value
Displayed name	LPT Consequent Action
OSS name	lagIptConsequenceAction

(1 of 2)

Name	Value
Type	lag.LptCActionType
Default	Disable
Tab|Panel	Link Aggregation Group|General
Description	Indicates the Lag LPT ConsequenceAction.
Enumerated types	
Shutdown All	
Disable	
Shutdown Any	

(2 of 2)

Table 66-50 Manufacture Date

Name	Value
Displayed name	Manufacture Date
OSS name	manufactureDate
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 66-51 Manufacturer

Name	Value
Displayed name	Manufacturer
OSS name	manufacturer
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 66-52 Manufacturing Assembly No

Name	Value
Displayed name	Manufacturing Assembly No
OSS name	manufacturingAssemblyNo
Type	STRING

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 66-53 Manufacturing Deviations

Name	Value
Displayed name	Manufacturing Deviations
OSS name	manufacturingDeviations
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 66-54 Manufacturing Variant

Name	Value
Displayed name	Manufacturing Variant
OSS name	manufacturingVariant
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 66-55 MC LAG Info

Name	Value
Displayed name	MC LAG Info
OSS name	aosMultiChassisLagPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|MC LAG Member

Table 66-56 MC LAG Member Info

Name	Value
Displayed name	MC LAG Member Info

(1 of 2)

Name	Value
OSS name	multiChassisLagMemberPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|MC LAG Member

(2 of 2)

Table 66-57 Min Size

Name	Value
Displayed name	Min Size
OSS name	lagMinSize
Type	INT
Maximum	8
Default	1
Tab|Panel	Link Aggregation Group|General
Description	Minimum number of ports that should be attached to LAG to make LAG operationally UP.

Table 66-58 Mode

Name	Value
Displayed name	Mode
OSS name	mode
Type	lag.PortMode
Default	undefined
Tab|Panel	General|General

Table 66-59 MTU

Name	Value
Displayed name	MTU
OSS name	mtuValue
Type	INT
Default	0
Units	bytes
Tab|Panel	General|General

Table 66-60 MTU

Name	Value
Displayed name	MTU
OSS name	mtuValue
Type	INT
Default	0
Units	bytes
Tab|Panel	Link Aggregation Group|Bandwidth Attributes

Table 66-61 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 66-62 Name

Name	Value
Displayed name	Name
OSS name	lagName
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	Link Aggregation Group|General
Description	Name of the aggregator is human readable string manually given by the operator. This property is specific to the Alcatel OmniSwitch family of products. This property is also applicable to MPR 9500 family.

Table 66-63 Network Queue Policy Name

Name	Value
Displayed name	Network Queue Policy Name

(1 of 2)

Name	Value
OSS name	networkQueuePolicyName
Type	STRING
Minimum	1
Maximum	32
Default	default
Read-only	yes
Tab|Panel	Policies.General|Network Queue

(2 of 2)

Table 66-64 Number of Attached Ports

Name	Value
Displayed name	Number of Attached Ports
OSS name	lagAttachedPorts
Type	INT
Default	0
Read-only	yes
Tab|Panel	Link Aggregation Group|General
Description	The number of ports attached at the moment. This property is specific to the Alcatel OmniSwitch family of products. This property is also applicable to MPR 9500 family.

Table 66-65 Number of Selected Ports

Name	Value
Displayed name	Number of Selected Ports
OSS name	lagSelectedPorts
Type	INT
Default	0
Read-only	yes
Tab|Panel	Link Aggregation Group|General
Description	The number of ports selected at the moment. This property is specific to the Alcatel OmniSwitch family of products.

Table 66-66 Operational Speed

Name	Value
Displayed name	Operational Speed
OSS name	lagOperationalSpeed
Type	LONG
Default	0
Units	kbps
Read-only	yes
Tab|Panel	General|General
Description	This property specifies the total operational speed of the LAG. This is calculated from the "actualSpeed" property of the Ports which are LAG Members. The "actualSpeed" value can be 0 (zero) when the Port is not operating. The Lag Member is first checked for its resource state and if its "OK" then we add this value to the LAG value otherwise we ignore it. So only operational and active LAG Member values are added to show the correct operational LAG speed.

Table 66-67 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	lag.OperationalState
Default	unknown
Read-only	yes
Tab|Panel	General|Equipment

Table 66-68 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	lag.OperationalState
Default	unknown
Read-only	yes
Tab|Panel	States|General

Table 66-69 Part Number

Name	Value
Displayed name	Part Number
OSS name	manufacturerBoardNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 66-70 Per-Link Hashing

Name	Value
Displayed name	Per-Link Hashing
OSS name	perLinkHashing
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Per-link hashing. When enabled sends SAP/interface traffic over a single link of a LAG auto-rebalancing as links are added/removed from a LAG

Table 66-71 Port Scheduler Policy

Name	Value
Displayed name	Port Scheduler Policy
OSS name	portSchedulerPolicyObjectPointer
Type	POINTER
Tab|Panel	Policies.General|Port Scheduler
Description	Specifies the port scheduler policy used by this port

Table 66-72 Port Threshold

Name	Value
Displayed name	Port Threshold
OSS name	portThreshold
Type	INT
Minimum	0

(1 of 2)

Name	Value
Maximum	7
Default	0
Tab|Panel	Link Aggregation Group|General

(2 of 2)

Table 66-73 Port Threshold Action

Name	Value
Displayed name	Port Threshold Action
OSS name	portThresholdAction
Type	INT
Default	down
Tab|Panel	Link Aggregation Group|General

Table 66-74 Port Type

Name	Value
Displayed name	Port Type
OSS name	lagPortType
Type	lag.LagPortType
Default	Standard
Tab|Panel	General|General
Enumerated types	
HSMDA	
HSMDAv1	
Standard	

Table 66-75 Port Usage

Name	Value
Displayed name	Port Usage
OSS name	portUsage
Type	INT
Default	0
Tab|Panel	General|Port Usage

Table 66-76 Previous State

Name	Value
Displayed name	Previous State
OSS name	previousState
Type	lag.PortState
Default	1
Read-only	yes
Tab|Panel	States|General

Table 66-77 Primary Member

Name	Value
Displayed name	Primary Member
OSS name	primaryLagMemberName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	Link Aggregation Group|General

Table 66-78 QoS Adaptation

Name	Value
Displayed name	QoS Adaptation
OSS name	adaptQoS
Type	INT
Default	distribute
Tab|Panel	Access|General

Table 66-79 Queue 1

Name	Value
Displayed name	Queue 1
OSS name	portStatsQueue1PktsFWd
Type	BOOL
Default	false

(1 of 2)

Name	Value
Tab|Panel	Policies.General|Egress Packets Forwarding

(2 of 2)

Table 66-80 Queue 2

Name	Value
Displayed name	Queue 2
OSS name	portStatsQueue2PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 66-81 Queue 3

Name	Value
Displayed name	Queue 3
OSS name	portStatsQueue3PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 66-82 Queue 4

Name	Value
Displayed name	Queue 4
OSS name	portStatsQueue4PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 66-83 Queue 5

Name	Value
Displayed name	Queue 5
OSS name	portStatsQueue5PktsFWd

(1 of 2)

Name	Value
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

(2 of 2)

Table 66-84 Queue 6

Name	Value
Displayed name	Queue 6
OSS name	portStatsQueue6PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 66-85 Queue 7

Name	Value
Displayed name	Queue 7
OSS name	portStatsQueue7PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 66-86 Queue 8

Name	Value
Displayed name	Queue 8
OSS name	portStatsQueue8PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 66-87 Reason Down

Name	Value
Displayed name	Reason Down
OSS name	reasonDown
Type	LONG
Default	no
Read-only	yes
Tab|Panel	States|General
Description	Indicates why a lag may be in the operationally 'down' state.

Table 66-88 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	serialNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 66-89 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Equipment

Table 66-90 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName

(1 of 2)

Name	Value
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Equipment

(2 of 2)

Table 66-91 Size

Name	Value
Displayed name	Size
OSS name	lagMbrSize
Type	lag.AggregatorSize
Tab|Panel	Link Aggregation Group|General
Description	LAG Member size Type. This property is specific to 9500 MPR family.

Table 66-92 Size

Name	Value
Displayed name	Size
OSS name	lagSize
Type	lag.AggregatorSize
Mandatory on creation	yes
Tab|Panel	Link Aggregation Group|General
Description	Maximum number of links that could be attached to this aggregator; this nominator ismandatory and is a required field in order to create a row in this table. This property is specific to the Alcatel OmniSwitch family of products.

Table 66-93 SPB Service Mode

Name	Value
Displayed name	SPB Service Mode
OSS name	spbServicePortMode
Type	INT
Default	2
Tab|Panel	General|Service Access Info
Description	This property is specific to AOS family

Table 66-94 Speed

Name	Value
Displayed name	Speed
OSS name	speed
Type	equipment.Speed
Default	0
Units	Mbps
Tab|Panel	General|General
Enumerated types	
Auto Speed	
10	
100	
1000	
10000	
100000	
25000	
40000	
Line Rate	
Not Applicable	
Not Available	
OC12	
OC192	
OC3	
OC48	
OC768	
56 kbit/s	
64 kbit/s	
Max100	
Max1000	

Table 66-95 Split Horizon Group

Name	Value
Displayed name	Split Horizon Group
OSS name	portShgPointer
Type	POINTER
Tab|Panel	General|General

Table 66-96 State

Name	Value
Displayed name	State
OSS name	state
Type	lag.PortState
Default	1
Read-only	yes
Tab|Panel	States|General

Table 66-97 Status

Name	Value
Displayed name	Status
OSS name	compositeEquipmentState
Type	lag.CompositeEquipmentState
Default	indeterminate
Read-only	yes
Tab|Panel	States|General

Table 66-98 Subrack Connection

Name	Value
Displayed name	Subrack Connection
OSS name	mptSubrackPointer
Type	POINTER
Default	no
Tab|Panel	General|Port Usage
Description	specifies where the MPT is connected to on the subrack

Table 66-99 SVLAN Tag Protocol ID

Name	Value
Displayed name	SVLAN Tag Protocol ID
OSS name	lagTPID
Type	lag.TPID

(1 of 2)

Name	Value
Tab|Panel	Link Aggregation Group|General
Description	The size of the largest packet which can be sent/received on the interface, specified in octets. For interfaces that are used for transmitting network datagrams, this is the size of the largest network datagram that can be sent on the interface.

(2 of 2)

Table 66-100 Type

Name	Value
Displayed name	Type
OSS name	lagType
Type	INT
Default	lacpOff
Mandatory on creation	yes
Tab|Panel	Link Aggregation Group|General
Description	Static or Dynamic(LACP enabled). This property is specific to the Alcatel OmniSwitch family of products. This property is also applicable to MPR 9500 family.

Table 66-101 UNI Profile

Name	Value
Displayed name	UNI Profile
OSS name	lagUniProfilePointer
Type	POINTER
Tab|Panel	Policies|UNI Profile
Description	Pointer to the UNI Profile Policy object.

Table 66-102 UNI Profile

Name	Value
Displayed name	UNI Profile
OSS name	uniProfilePointer
Type	POINTER
Tab|Panel	Policies.General|UNI Profile
Description	Pointer to the UNI Profile Policy object.

Table 66-103 User label

Name	Value
Displayed name	User label
OSS name	userLabel
Type	STRING
Maximum	15
Default	no
Tab|Panel	General|General

Table 66-104 Vlan Xlation Mode

Name	Value
Displayed name	Vlan Xlation Mode
OSS name	portVlanXlation
Type	INT
Default	2
Tab|Panel	General|Service Access Info
Description	This property is specific to AOS family

Table 66-105 VPLS Mode

Name	Value
Displayed name	VPLS Mode
OSS name	vplsMode
Type	netw.VplsMode
Default	None
Tab|Panel	General|VPLS Service
Description	Applicable to Omni Fuji2 nodes. The mode of the VPLS service being configured on the Ethernet Access Port.
Enumerated types	
Disabled	
Enabled	
None	
Qualified	
Unqualified	

Table 66-106 Wait to Restore

Name	Value
Displayed name	Wait to Restore
OSS name	lagWTR
Type	LONG
Minimum	100
Maximum	8000
Default	1000
Units	ms
Step	100
Tab|Panel	Link Aggregation Group|General
Description	This property specifies the amount of time, in step of 100 milliseconds, to wait after a fault clears before restoring a traffic interface in the Link Aggregation Group This property is specific to 9500 MPR family.

67 — LAG Alarm Profile

Table 67-1 LAG Alarm Profile parameters

Parameters	
Category	Direction
Condition	LAG ID
Default Severity	Override Severity

Table 67-2 Category

Name	Value
Displayed name	Category
OSS name	alarmEntityType
Type	optical.TrapEntityType
Mandatory on creation	yes
Tab|Panel	General|General
Description	The trap entity type
Enumerated types	
ALL	
BITS	
CBR10G3	
CBR2G5	
CBRAR	

(1 of 6)

Name	Value
COM	
CPDPR	
CPLMP	
CPNEIGHBOR	
CPRSVP	
DBLINK	
DDR	
E1	
ENV	
EQPT	
FC10G	
FC16G	
FC100	
FC200	
FC400	
FC800	
FE	
40GBE	
1GBE	
GMRENODE	
100GBE	
LAG	
LINEREF	
LOG	
LOODU	
LSP	
MEP	
NETIF	
OC12/STM4	
OC192/STM64	
OC3/STM1	
OC48/STM16	
OC768/STM256	
OCH	
ODU0	
ODU0TCM	
ODU1	

(2 of 6)

Name	Value
ODU1F	
ODU1FTCM	
ODU1ODU0	
ODU1ODU0TCM	
ODU1PTF	
ODU1TCM	
ODU2	
ODU2E	
ODU2EODU0	
ODU2EODU0TCM	
ODU2EODU1	
ODU2EODU1TCM	
ODU2EODUF	
ODU2EODUFTCM	
ODU2ETCM	
ODU2ODU0	
ODU2ODU0TCM	
ODU2ODU1	
ODU2ODU1TCM	
ODU2ODUF	
ODU2ODUFTCM	
ODU2TCM	
ODU3	
ODU3E	
ODU3E2	
ODU3E2ODU0	
ODU3E2ODU0TCM	
ODU3E2ODU1	
ODU3E2ODU1TCM	
ODU3E2ODU2	
ODU3E2ODU2E	
ODU3E2ODU2ETCM	
ODU3E2ODU2TCM	
ODU3E2ODUF	
ODU3E2ODUFTCM	
ODU3E2TCM	
ODU3EODU0	

(3 of 6)

Name	Value
ODU3EODU0TCM	
ODU3EODU1	
ODU3EODU1TCM	
ODU3EODU2	
ODU3EODU2E	
ODU3EODU2ETCM	
ODU3EODU2TCM	
ODU3EODUF	
ODU3EODUFTCM	
ODU3ETCM	
ODU3ODU0	
ODU3ODU0TCM	
ODU3ODU1	
ODU3ODU1TCM	
ODU3ODU2	
ODU3ODU2E	
ODU3ODU2ETCM	
ODU3ODU2TCM	
ODU3ODUF	
ODU3ODUFTCM	
ODU3TCM	
ODU4	
ODU4ODU0	
ODU4ODU0TCM	
ODU4ODU1	
ODU4ODU1F	
ODU4ODU1FTCM	
ODU4ODU1TCM	
ODU4ODU2	
ODU4ODU2E	
ODU4ODU2ETCM	
ODU4ODU2TCM	
ODU4ODU3	
ODU4ODU3E	
ODU4ODU3E2	
ODU4ODU3E2TCM	
ODU4ODU3ETCM	

(4 of 6)

Name	Value
ODU4ODU3TCM	
ODU4ODUF	
ODU4ODUFTCM	
ODU4TCM	
ODUF	
ODUFTCM	
OFA	
OMS	
OPTSG	
OTNFAC	
OTS	
OTU	
OTU0	
OTU1	
OTU1F	
OTU2	
OTU2E	
OTU3	
OTU3E	
OTU3E2	
OTU4	
OTUODU0	
OTUODU0TCM	
OTUODU1	
OTUODU1F	
OTUOODU1FTCM	
OTUODU1TCM	
OTUODU2	
OTUODU2E	
OTUODU2ETCM	
OTUODU2TCM	
OTUODU3	
OTUODU3E	
OTUODU3E2	
OTUODU3E2TCM	
OTUODU3ETCM	
OTUODU3TCM	

(5 of 6)

Name	Value
OTUODU4	
OTUODU4TCM	
PLK	
PM	
PTPCLOCK	
PTPPORT	
RMD	
RMDCESCHNNEL	
RMDIF	
RMDIFMAU	
RMDMEP	
RMDNIM	
SCLOCK	
SDR	
SESSION	
SRERP	
SRMEP	
SROAMSAACTL	
SRSAP	
SRSVC	
SYNC	
TELINK	
10GBE	
TIMING	
TOD	
TRU	
VTS	

(6 of 6)

Table 67-3 Condition

Name	Value
Displayed name	Condition
OSS name	alarmCondition
Type	optical.TrapCondition
Mandatory on creation	yes
Tab|Panel	General|General

(1 of 32)

Name	Value
Description	The trap condition
Enumerated types	
aesFipsFailure	
aisLM	
aisLmsAis	
aisPauAis	
aisTcm	
alienEgrLOS	
allChanMiss	
allChanMissOut	
almRSync	
almRSyncEnd	
ampDisabled	
ampEol	
ANNOUNCELOSS	
apeInProgress	
aprInvalidTopo	
aprLine	
aprNode	
aprOsc	
aprSwitch	
aprUnavail	
aprUnavailOsc	
apsB	
apsCm	
apsMm	
apsNoRed	
arcIND	
asonTopo	
auAisP	
auLopP	
authFail	
autoReset	
autoSwTimRef	
autoSwTimRefT4	
autoSyncSw	
b1Sd	

(2 of 32)

Name	Value
backupUnavail	
backwardDefectIndicationEgress	
baseline	
bdi	
bdiOdu	
bdiOduOut	
bdiTcm	
binsRolled	
bitsAIS	
bitsLof	
bitsLos	
bitsMAN	
bkupCom	
boardEqpt	
brkTrip	
capBufr	
cardBoot	
cardIdRcvd	
cardInBoot	
cardInit	
cardInitBcm	
cardInitFail	
cardInitNonBcm	
cardNotAllowed	
cardSanity	
cbr10G3RxLOS	
cbr10G3RxLSS	
ccActChg	
cfCapacityWarning	
cfmAisEvnt	
cfmDmTestComplete	
cfmFltEvnt	
cfmLbmTestComplete	
cfmLmTestComplete	
cfmLtmTestComplete	
cfmSlmTestComplete	
change	

(3 of 32)

Name	Value
channelViolation	
chkBkplane	
ckm	
clearAllTcas	
colorViolation	
comm	
commDeg	
commDown	
configFail	
contBus	
contCom	
contComm	
contEqpt	
contEqptSplit	
contr	
contrDup	
contrenDgr	
contrenFail	
contrOut	
cpuPerformance	
crdInit	
crTca	
csf	
csfGfp	
CSFGFPOUT	
csfOduEgr	
csfOduOut	
dataErr	
dataFlt	
dbErr	
dbFl	
dbFt	
dbFull	
dbInvalid	
dbMemTrf	
dbUnsync	
dcConfigFail	

(4 of 32)

Name	Value
deg	
degOtu	
degOut	
degTcm	
DELAYRESLOSS	
dormantUser	
dwAis	
dwLof	
dwLom	
dwSd	
dwSf	
e1AisEgr	
e1AisL	
e1Lof	
e1LofEgr	
e1Los	
e1NoCrc4M	
e1NoCRC4MEgr	
e1Rai	
e1RaiEgr	
ebero	
egressSSF	
envInput1Active	
envInput2Active	
envInput3Active	
envInput4Active	
envInput5Active	
envInput6Active	
envInput7Active	
envInput8Active	
eptUploadErr	
eqpt	
eqptCrypto	
eqptDgr	
eqptDgrMon	
eqptDgrOch	
eqptDgrOchOut	

(5 of 32)

Name	Value
eqptDgrOut	
eqptPort	
erpFwdStateChng	
escLatchFail	
esm	
ethCSF	
ethRingPathProvMismatch	
etrMismatch	
etrMismatchMod	
excessLoad	
excessLoss	
facServ	
facTerm	
facTermDev	
facTermDgr	
fan32HRqd	
fanSpeed	
fanSpeedHigh	
fanSpeedLow	
fanSpeedMan	
farEndLos	
faulty	
fdi	
fdiClt	
feAls	
feasibilityViolation	
fecEcSd	
fecFail	
fecUbcSd	
feFlt	
feLfi	
feLos	
feLss	
fePortMismatch	
fePrLf	
feRfi	
fipsFailure	

(6 of 32)

Name	Value
fipsSwMismatch	
flt	
fpgaFail	
fpgaInit	
FPGAINIT1	
FPGAINIT10	
FPGAINIT2	
FPGAINIT3	
FPGAINIT4	
FPGAINIT5	
FPGAINIT6	
FPGAINIT7	
FPGAINIT8	
FPGAINIT9	
FPGAPRELOAD	
fpgaTimeout	
frcdSwTimRef	
frcdSwTimRefT4	
frcdWkSwBk	
frcdWkSwBkVTS1	
frcdWkSwBkVTS10	
frcdWkSwBkVTS2	
frcdWkSwBkVTS3	
frcdWkSwBkVTS4	
frcdWkSwBkVTS5	
frcdWkSwBkVTS6	
frcdWkSwBkVTS7	
frcdWkSwBkVTS8	
frcdWkSwBkVTS9	
frcdWkSwPr	
frcdWkSwPrVTS1	
frcdWkSwPrVTS10	
frcdWkSwPrVTS2	
frcdWkSwPrVTS3	
frcdWkSwPrVTS4	
frcdWkSwPrVTS5	
frcdWkSwPrVTS6	

(7 of 32)

Name	Value
frcdWkSwPrVTS7	
frcdWkSwPrVTS8	
frcdWkSwPrVTS9	
frngSync	
fwPendingObsolete	
fwUpgradePending	
fwVersionNotDefault	
gfpLof	
GFPLOFOUT	
gfpSsf	
gfpUpm	
hdFail	
hdFull	
hiBer	
highGain	
hldOvrSync	
hpPlmP	
hpRdiP	
hpUneqP	
hwRevisionNotSupported	
igmpSnpgSrcLimitExceed	
imageNotReady	
incompatFan	
inhMsgPmRept	
init	
inMigration	
int	
intErr	
intrusion	
intrusionEvt	
intSft	
intTemp	
intTempHigh	
intTempLow	
intTempOpt	
invalidEgress	
invalidThreshold	

(8 of 32)

Name	Value
invalidThresholdOms	
invalidThresholdOts	
invalidTopo	
inventoryError	
keyDomainErr	
lagDeg	
lagLos	
lagPortAddFailed	
lagSubGrpSelect	
lanLfi	
lanLol	
lanLos	
lanRfi	
lanSf	
laserBackFacetOptPwrTca	
laserCoolingCurTca	
laserEOL	
laserOffLpbk	
lck	
lckOut	
lckTcm	
ledState	
lfd	
lfiEgr	
linkDiviersity	
linkDown	
linkoamLoopDetected	
linkoamNonThresh	
linkoamPeerChng	
linkUp	
loam	
lockedIndicationEgress	
lockoutOfPr	
lockoutOfPrVTS1	
lockoutOfPrVTS10	
lockoutOfPrVTS2	
lockoutOfPrVTS3	

(9 of 32)

Name	Value
lockoutOfPrVTS4	
lockoutOfPrVTS5	
lockoutOfPrVTS6	
lockoutOfPrVTS7	
lockoutOfPrVTS8	
lockoutOfPrVTS9	
lockoutOfTimRef	
lockoutOfTimRefT4	
lockoutToPr	
lof	
lofEgr	
lofLom	
lofLomOut	
lofO	
loGain	
logBuf90SecuLog	
logBufOvfISecuLog	
lol	
lopPauLop	
los	
losDcm	
losEdfa	
losLdSig	
losO	
losOamp	
losOcm	
losOms	
losOOut	
losOts	
losOut	
losP	
losPId	
lossOfLock	
lostClock	
lotOut	
lpbkLine	
lpbkTerm	

(10 of 32)

Name	Value
IspFailedApe	
IspFailedPre	
IspFailedTp	
IspFailedUnprot	
IspFailedXc	
IsrOutDgr	
Iss	
IssEgr	
ItcTcm	
man	
manLR	
manReset	
manSwTimRef	
manSwTimRefT4	
manSwToInt	
manSwToPri	
manSwToSec	
manWkSwBk	
manWkSwBkVTS1	
manWkSwBkVTS10	
manWkSwBkVTS2	
manWkSwBkVTS3	
manWkSwBkVTS4	
manWkSwBkVTS5	
manWkSwBkVTS6	
manWkSwBkVTS7	
manWkSwBkVTS8	
manWkSwBkVTS9	
manWkSwPr	
manWkSwPrVTS1	
manWkSwPrVTS10	
manWkSwPrVTS2	
manWkSwPrVTS3	
manWkSwPrVTS4	
manWkSwPrVTS5	
manWkSwPrVTS6	
manWkSwPrVTS7	

(11 of 32)

Name	Value
manWkSwPrVTS8	
manWkSwPrVTS9	
mepAIS	
mepError	
mepLoc	
mepMacError	
mepMmg	
mepRemote	
mepXcon	
mirrorDestDisable	
mirrorDestEnable	
mirrorSrcDisable	
mirrorSrcEnable	
mismatch	
mismatchFiber	
mismatchSfpXfp	
missing	
mixedPFUsed	
mjTca	
mnTca	
mod	
modOutOOR	
msim	
mtcesurv	
mtcesurvDgr	
neAIs	
neFlt	
neModeMismatch	
net	
netCraft	
neUnreachable	
nkm	
nodeDeg	
notUsed1	
notUsed2	
notUsed3	
notUsed4	

(12 of 32)

Name	Value
ntpChkSig	
ntpClkAdj	
ntpLor	
ntpOoSync	
nunvComm	
nunvConfig	
nunvIndetermined	
nunvReversion	
nunvTpBlocked	
nunvTransmission	
nvMismatch	
oaPumpBiasCurrHigh	
oaPumpTempHigh	
objCreated	
objDeleted	
ochCollision	
ochCollisionOut	
ochFdi	
ochIntErr	
ochKeyDup	
ochKeyOverlap	
ochKeysReused	
ochKeyUnavail	
ochMissing	
ochPdi	
ochPwrUnstable	
ochTrailDup	
ochTrailUnknown	
ochUnknown	
ochUnknownOut	
oci	
ociOut	
ociTcm	
ocsAuditFail	
ocsAuditSuccess	
ocsDataFlt	
ocsDataRtrv	

(13 of 32)

Name	Value
ocsUnavail	
ocsUplinkDeleted	
oduAis	
oduAisEgress	
oduAisOut	
omsSSF	
openConnectionIndicationEgress	
opr	
oprIngress	
oprLossHigh	
oprLossLow	
oprOOR	
oprOut	
oprPwrHigh	
oprPwrLow	
oprTx	
oprUnachieve	
opticalParamErr	
optIntBase	
optIntDet	
optIntSusp	
oscSsf	
OSNRMESC	
ospfAdj	
otmcpf	
otuAis	
ovrId	
payloadTypeMismatchEgress	
pcsGeneratorActive	
pdi	
pdiPauPdi	
PGFPGAFAIL1	
PGFPGAFAIL2	
PGFPGAFAIL3	
PGFPGAFAIL4	
PGFPGAFAIL5	
PGFPGAINIT1	

(14 of 32)

Name	Value
PGFPGAINIT2	
PGFPGAINIT3	
PGFPGAINIT4	
PGFPGAINIT5	
plm	
plmOduOut	
plmPauPlm	
ppsLos	
prcdrErr	
prcdrErrOut	
prcdrErrTopo	
prcdrErrTopoOut	
PTPFREERUN	
PTPGMDEGRADE	
PTPGMSWITCH	
PTPPATHSWITCH	
PTPPORTSWITCH	
PTPREFLOSS	
PTPREFUNSTABLE	
pwr	
pwrAdjComms	
pwrAdjFail	
pwrAdjFailAdd	
pwrAdjFailDrp	
pwrAdjReq	
pwrAdjReqAdd	
pwrAdjReqDrp	
pwrAlmp	
pwrEdfaMargin	
pwrFan	
pwrMargin	
pwrMaxGain	
pwrMgtOff	
pwrSusp	
pwrSuspOut	
pwrTiltParams	
pwrTiltSusp	

(15 of 32)

Name	Value
pwrUnbalance	
pwrUnbalanceOms	
ramanSup	
rcvrOptProg	
rdi	
rdiL	
readyToRevert	
replUnitMiss	
replUnitMissMOD	
reRouted	
restorationDisabled	
rfi	
rfiEgr	
rfiLmsRfi	
rfiPauRfi	
rmdCesChannelLPL	
rmdCesChannelNoTdmPl	
rmdCesChannelRPL	
rmdDiscoveredDevice	
rmdDNR	
rmdEQF	
rmdIfEFMLOP	
rmdIfLOS	
rmdIfMauANM	
rmdIfMauEQF	
rmdIfMauLOS	
rmdIfMauUNI	
rmdIfMauWUP	
rmdJbRecentered	
rmdMepLOC	
rmdMepMMG	
rmdMepRDI	
rmdMepUNL	
rmdMepUNM	
rmdMepUNP	
rmdNDF	
rmdNimLOF	

(16 of 32)

67 — LAG Alarm Profile

Name	Value
rmdPWR	
rmdTypeMismatch	
rmdUnknownEcid	
rmdWDP	
rmdWrongDestMac	
routeNotPossible	
sapOperDown	
sapStateChng	
sapTlsMacAddrLimitAlarm	
sd	
sdegO	
seepScrub	
serverSignalFailureEgress	
sf	
sfMismatch	
sfpEOL	
sfpReceiverPwrOOR	
sfpTempOOR	
sfpTrmtPwrOOR	
sft	
shelfInVoltHigh	
shelfInVoltLow	
signalDegradeEgress	
SLCBOOTCONTCOM	
SLCCARDINIT	
SLCCLKSYNC	
SLCCONTCOM	
SLCDATAFLT	
SLCEQPTBOOT	
SLCMISMATCH	
SLCNOTINSERVICE	
slcr	
sltmSig	
spLoAdjFail	
srgDiviersity	
srTca	
ssf	

(17 of 32)

Name	Value
ssfCltEgr	
ssfOdu	
ssfOduOut	
ssfOduTp	
ssfOtu	
SSFSECTION	
SSFSECTIONOUT	
ssfTcm	
subNodeUnreachable	
svcOperDown	
svcStateChng	
svcTlsFwdTblFullAlarm	
svcTlsMfibTblFullAlarm	
swEqpt	
swftDwn	
swMtxMod	
swToSec	
swUpgCommit	
swUpgFail	
swUpgrade	
sync	
syncActRef	
syncClk	
syncClkFail	
syncClkFrng	
syncClkHldovr	
syncClkMode	
syncClkUnit	
syncCommand	
syncEqpt	
syncIfTimingHoldover	
syncIfTimingRef1Alarm	
syncIfTimingRef2Alarm	
SYNCLOSS	
syncMode	
syncOos	
syncOosT4	

(18 of 32)

Name	Value
syncRefFail	
syncRefUnEq	
syncStatChng	
syncSys	
syncSysOos	
syncT4Out	
sysBoot	
sysInit	
systemReady	
tBbeMs15Min	
tBbeMs1Day	
tBbeOdu15Min	
tBbeOdu15MinOut	
tBbeOdu1Day	
tBbeOdu1DayOut	
tBbeOtu15Min	
tBbeOtu1Day	
tBbeP15Min	
tBbeP1Day	
tBbePt15Min	
tBbePt1Day	
tBbeRs15Min	
tBbeRs1Day	
tBbeRst15Min	
tBbeRst1Day	
tBbeTcm15Min	
tBbeTcm1Day	
tBerPostFec15min	
tBerPostFec1day	
tBerPreFec15min	
tBerPreFec1day	
tBiaesOtu15Min	
tBiaesOtu1Day	
tBiaesTcm15Min	
tBiaesTcm1Day	
tcmAis	
tCv15Min	

(19 of 32)

Name	Value
tCv1Day	
tCvPcs15Min	
tCvPcs1Day	
tCvPcst15Min	
tCvPcst1Day	
tCvs15Min	
tCvs1Day	
tCvst15Min	
tCvst1Day	
termOc192stm64	
termOc312stm14	
termOc48stm16	
termOtu1	
termOtu2	
tEs15Min	
tEs1Day	
tEsL15Min	
tEsL1Day	
tEsMs15Min	
tEsMs1Day	
tEsOdu15Min	
tEsOdu15MinOut	
tEsOdu1Day	
tEsOdu1DayOut	
tEsOtu15Min	
tEsOtu1Day	
tEsP15Min	
tEsP1Day	
tEsPcs15Min	
tEsPcs1Day	
tEsPcst15Min	
tEsPcst1Day	
tEsPt15Min	
tEsPt1Day	
tEsRs15Min	
tEsRs1Day	
tEsRst15Min	

(20 of 32)

Name	Value
tEsRst1Day	
tEss15Min	
tEss1Day	
tEsst15Min	
tEsst1Day	
tEsTcm15Min	
tEsTcm1Day	
testMode	
tEthpkter15Min	
tEthpkter1Day	
tEthpktert15Min	
tEthpktert1Day	
tFebbeMs15Min	
tFebbeMs1Day	
tFebbeOdu15Min	
tFeBbeOdu15MinOut	
tFebbeOdu1Day	
tFeBbeOdu1DayOut	
tFebbeOtu15Min	
tFebbeOtu1Day	
tFebbeTcm15Min	
tFebbeTcm1Day	
tFecc15Min	
tFecc1Day	
tFecUbc15Min	
tFecUbc1Day	
tFecUbu15Min	
tFecUbu1Day	
tFeesMs15Min	
tFeesMs1Day	
tFeesOdu15Min	
tFeEsOdu15MinOut	
tFeesOdu1Day	
tFeEsOdu1DayOut	
tFeesOtu15Min	
tFeesOtu1Day	
tFeesTcm15Min	

(21 of 32)

Name	Value
tFeesTcm1Day	
tFesesMs15Min	
tFesesMs1Day	
tFesesOdu15Min	
tFeSesOdu15MinOut	
tFesesOdu1Day	
tFeSesOdu1DayOut	
tFesesOtu15Min	
tFesesOtu1Day	
tFesesTcm15Min	
tFesesTcm1Day	
tFeuasMs15Min	
tFeuasMs1Day	
tFeuasOdu15Min	
tFeUasOdu15MinOut	
tFeuasOdu1Day	
tFeUasOdu1DayOut	
tFeuasOtu15Min	
tFeuasOtu1Day	
tFeuasTcm15Min	
tFeuasTcm1Day	
tIaesOtu15Min	
tIaesOtu1Day	
tIaesTcm15Min	
tIaesTcm1Day	
tim	
timOdu	
timOduOut	
timTcm	
toDDEG	
toDLOS	
TODREFUNSTABLE	
tOprh15Min	
tOprh1Day	
tOprhLane1	
tOprhLane10	
tOprhLane2	

(22 of 32)

Name	Value
tOprhLane3	
tOprhLane4	
tOprhLane5	
tOprhLane6	
tOprhLane7	
tOprhLane8	
tOprhLane9	
tOprl15Min	
tOprl1Day	
tOprlLane1	
tOprlLane10	
tOprlLane2	
tOprlLane3	
tOprlLane4	
tOprlLane5	
tOprlLane6	
tOprlLane7	
tOprlLane8	
tOprlLane9	
tOpth15Min	
tOpth1Day	
tOpthLane1	
tOpthLane10	
tOpthLane2	
tOpthLane3	
tOpthLane4	
tOpthLane5	
tOpthLane6	
tOpthLane7	
tOpthLane8	
tOpthLane9	
tOptl15Min	
tOptl1Day	
tOptlLane1	
tOptlLane10	
tOptlLane2	
tOptlLane3	

(23 of 32)

Name	Value
tOptILane4	
tOptILane5	
tOptILane6	
tOptILane7	
tOptILane8	
tOptILane9	
tPmonDmaBfd15Min	
tPmonDmaBfd1Day	
tPmonDmaffd15Min	
tPmonDmaffd1Day	
tPmonDmafFdv15Min	
tPmonDmafFdv1Day	
tPmonDmanfd15Min	
tPmonDmanfd1Day	
tPmonDmanFdv15Min	
tPmonDmanFdv1Day	
tPmonDmxBfd15Min	
tPmonDmxBfd1Day	
tPmonDmxffd15Min	
tPmonDmxffd1Day	
tPmonDmxfFdv15Min	
tPmonDmxfFdv1Day	
tPmonDmxnfd15Min	
tPmonDmxnfd1Day	
tPmonDmxnFdv15Min	
tPmonDmxnFdv1Day	
tPmonLmafflr15Min	
tPmonLmafflr1Day	
tPmonLmanflr15Min	
tPmonLmanflr1Day	
tPmonLmfhli15Min	
tPmonLmfhli1Day	
tPmonLmnhli15Min	
tPmonLmnhli1Day	
tPmonLmxfflr15Min	
tPmonLmxfflr1Day	
tPmonLmxnflr15Min	

(24 of 32)

Name	Value
tPmonLmxnfIr1Day	
tPmonPortHighCapacityOctets15Min	
tPmonPortHighCapacityOctets1Day	
tPmonPortHighCapacityPkts15Min	
tPmonPortHighCapacityPkts1Day	
tPmonPortIfInDiscards15Min	
tPmonPortIfInDiscards1Day	
tPmonPortIfInErrors15Min	
tPmonPortIfInErrors1Day	
tPmonPortIfInOctets15Min	
tPmonPortIfInOctets1Day	
tPmonPortIfInPackets	
tPmonPortIfInPackets15Min	
tPmonPortIfOutDiscards15Min	
tPmonPortIfOutDiscards1Day	
tPmonPortIfOutErrors15Min	
tPmonPortIfOutErrors1Day	
tPmonPortIfOutOctets15Min	
tPmonPortIfOutOctets1Day	
tPmonPortIfOutPackets15Min	
tPmonPortIfOutPackets1Day	
tPmonPortQueue1OctetsDropped15Min	
tPmonPortQueue1OctetsDropped1Day	
tPmonPortQueue1PktsDropped15Min	
tPmonPortQueue1PktsDropped1Day	
tPmonPortQueue2OctetsDropped15Min	
tPmonPortQueue2OctetsDropped1Day	
tPmonPortQueue2PktsDropped15Min	
tPmonPortQueue2PktsDropped1Day	
tPmonPortQueue3OctetsDropped15Min	
tPmonPortQueue3OctetsDropped1Day	
tPmonPortQueue3PktsDropped15Min	
tPmonPortQueue3PktsDropped1Day	
tPmonPortQueue4OctetsDropped15Min	
tPmonPortQueue4OctetsDropped1Day	
tPmonPortQueue4PktsDropped15Min	
tPmonPortQueue4PktsDropped1Day	

(25 of 32)

Name	Value
tPmonPortQueue5OctetsDropped15Min	
tPmonPortQueue5OctetsDropped1Day	
tPmonPortQueue5PktsDropped15Min	
tPmonPortQueue5PktsDropped1Day	
tPmonPortQueue6OctetsDropped15Min	
tPmonPortQueue6OctetsDropped1Day	
tPmonPortQueue6PktsDropped15Min	
tPmonPortQueue6PktsDropped1Day	
tPmonPortQueue7OctetsDropped15Min	
tPmonPortQueue7OctetsDropped1Day	
tPmonPortQueue7PktsDropped15Min	
tPmonPortQueue7PktsDropped1Day	
tPmonPortQueue8OctetsDropped15Min	
tPmonPortQueue8OctetsDropped1Day	
tPmonPortQueue8PktsDropped15Min	
tPmonPortQueue8PktsDropped1Day	
tPmonSapIngressOctetsDropped15Min	
tPmonSapIngressOctetsDropped1Day	
tPmonSapIngressPktsDropped15Min	
tPmonSapIngressPktsDropped1Day	
tPmonSImaffIr15Min	
tPmonSImafFIr1Day	
tPmonSImaffIrContinuous	
tPmonSImanfIr15Min	
tPmonSImanFIr1Day	
tPmonSImanfIrContinuous	
tPmonSImfhIi15Min	
tPmonSImfhIi1Day	
tPmonSImfhIiContinuous	
tPmonSImnhIi15Min	
tPmonSImnhIi1Day	
tPmonSImnhIiContinuous	
tPmonSImxfFIr1Day	
tPmonSImxffIrContinuous	
tPmonSImxnFIr1Day	
tPmonSImxnfIrContinuous	
tPostFec15Min	

(26 of 32)

Name	Value
tPostFec1Day	
tPreFec15Min	
tPreFec1Day	
trailTraceIdentifierMismatchEgress	
transferLogFL	
transferLogFT	
transferLogIP	
trmt	
trmtMOD	
TRUBRKROPEN	
tSefs15Min	
tSefs1Day	
tSefsPcs15Min	
tSefsPcs1Day	
tSefsPcst15Min	
tSefsPcst1Day	
tSefss15Min	
tSefss1Day	
tSefsst15Min	
tSefsst1Day	
tSes15Min	
tSes1Day	
tSesL15Min	
tSesL1Day	
tSesMs15Min	
tSesMs1Day	
tSesOdu15Min	
tSesOdu15MinOut	
tSesOdu1Day	
tSesOdu1DayOut	
tSesOtu15Min	
tSesOtu1Day	
tSesP15Min	
tSesP1Day	
tSesPcs15Min	
tSesPcs1Day	
tSesPcst15Min	

(27 of 32)

Name	Value
tSesPcst1Day	
tSesPt15Min	
tSesPt1Day	
tSesRs15Min	
tSesRs1Day	
tSesRst15Min	
tSesRst1Day	
tSess15Min	
tSess1Day	
tSesst15Min	
tSesst1Day	
tSesTcm15Min	
tSesTcm1Day	
tsMismatch	
tsMismatchOut	
tUasMs15Min	
tUasMs1Day	
tUasOdu15Min	
tUasOdu15MinOut	
tUasOdu1Day	
tUasOdu1DayOut	
tUasOtu15Min	
tUasOtu1Day	
tUasP15Min	
tUasP1Day	
tUasPt15Min	
tUasPt1Day	
tUasRs15Min	
tUasRs1Day	
tUasRst15Min	
tUasRst1Day	
tUasTcm15Min	
tUasTcm1Day	
unexWkSet	
unknown	
unknownNotif	
unknownSfpXfp	

(28 of 32)

Name	Value
unL	
unM	
unMOrUnP	
unP	
unPr	
upm	
uruOchLos	
uruOmsRx	
uruOmsTx	
uruOtsLos	
uruOtsRx	
uruOtsTx	
uruOtu	
uruS	
usAis	
usAIs	
userEqptMismatch	
usFlt	
usIdle	
usLos	
usOchCollision	
usSFEber	
vcgDown	
vcgLoa	
vcgMap	
vcgSsf	
vcMfi	
voltage	
voltageHigh	
voltageLow	
vtsConnCreation	
vtsFdi	
vtsFdi1	
vtsFdi10	
vtsFdi11	
vtsFdi12	
vtsFdi13	

(29 of 32)

Name	Value
vtsFdi14	
vtsFdi15	
vtsFdi16	
vtsFdi17	
vtsFdi18	
vtsFdi19	
vtsFdi2	
vtsFdi20	
vtsFdi21	
vtsFdi22	
vtsFdi23	
vtsFdi24	
vtsFdi25	
vtsFdi26	
vtsFdi27	
vtsFdi28	
vtsFdi29	
vtsFdi3	
vtsFdi30	
vtsFdi31	
vtsFdi32	
vtsFdi4	
vtsFdi5	
vtsFdi6	
vtsFdi7	
vtsFdi8	
vtsFdi9	
vtsOci	
vtsOci1	
vtsOci10	
vtsOci11	
vtsOci12	
vtsOci13	
vtsOci14	
vtsOci15	
vtsOci16	
vtsOci17	

(30 of 32)

Name	Value
vtsOci18	
vtsOci19	
vtsOci2	
vtsOci20	
vtsOci21	
vtsOci22	
vtsOci23	
vtsOci24	
vtsOci25	
vtsOci26	
vtsOci27	
vtsOci28	
vtsOci29	
vtsOci3	
vtsOci30	
vtsOci31	
vtsOci32	
vtsOci4	
vtsOci5	
vtsOci6	
vtsOci7	
vtsOci8	
vtsOci9	
warnTca	
wkSwBk	
wkSwPr	
wkSwPrVTS1	
wkSwPrVTS10	
wkSwPrVTS2	
wkSwPrVTS3	
wkSwPrVTS4	
wkSwPrVTS5	
wkSwPrVTS6	
wkSwPrVTS7	
wkSwPrVTS8	
wkSwPrVTS9	
wtocmaPoutRanOsnr	

(31 of 32)

Name	Value
wtr	

(32 of 32)

Table 67-4 Default Severity

Name	Value
Displayed name	Default Severity
OSS name	defaultSeverity
Type	optical.TrapCategory
Mandatory on creation	yes
Tab|Panel	General|General
Description	Default severity
Enumerated types	
Critical	
General Event	
Major	
Minor	
None	
Not Alarmed	
Not Reported	
Security	
State Change	
Unknown	
Warning	

Table 67-5 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	optical.AlarmCategoryDirection
Mandatory on creation	yes
Tab|Panel	General|General
Description	The direction to which the new category will be applied.
Enumerated types	
None	

(1 of 2)

Name	Value
RX	
TX	

(2 of 2)

Table 67-6 LAG ID

Name	Value
Displayed name	LAG ID
OSS name	lagId
Type	LONG
Read-only	yes
Tab|Panel	General|General

Table 67-7 Override Severity

Name	Value
Displayed name	Override Severity
OSS name	severity
Type	optical.TrapCategory
Tab|Panel	General|General
Description	Override severity
Enumerated types	
Critical	
General Event	
Major	
Minor	
None	
Not Alarmed	
Not Reported	
Security	
State Change	
Unknown	
Warning	

68 — LAG Member

Table 68-1 LAG Member parameters

Parameters	
Active/Standby	Oper Key
Actual Maximum Frame Size	Oper Port Priority
Admin Key	Oper State
Admin Key	Outer Encapsulation Value
Admin Port	Partner Oper Key
Admin Port Priority	Partner Oper Port
Admin State	Partner Oper State
Admin State	Partner Oper System Id
Admin System Id	Partner Oper System Priority
Admin System Priority	Port
Attached LAG ID	Port ID
Encapsulation Type	Port Number
Inner Encapsulation Value	Primary Member
LACP	Priority
LAG ID	Provisioned Maximum Frame Size
Maximum Frame Size Mismatch	Selected LAG ID
Member Name	Site ID
Number of Rx Illegal Packets	Site Name
Number of Rx LACP Packets	Sub-Group ID
Number of Tx LACP Packets	System Id
Number of Unknown Packets	System Priority
Operational Port Number	Underlying Port State

Table 68-2 Active/Standby

Name	Value
Displayed name	Active/Standby
OSS name	activeStdby
Type	lag.ActiveStdbyEnum
Read-only	yes
Tab|Panel	General|LAG Member

Table 68-3 Actual Maximum Frame Size

Name	Value
Displayed name	Actual Maximum Frame Size
OSS name	actualMtu
Type	INT
Default	1500
Units	bytes
Read-only	yes
Tab|Panel	Port|General

Table 68-4 Admin Key

Name	Value
Displayed name	Admin Key
OSS name	portActorAdminKey
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|Actor

Table 68-5 Admin Key

Name	Value
Displayed name	Admin Key
OSS name	portPartnerAdminKey

(1 of 2)

Name	Value
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|Partner

(2 of 2)

Table 68-6 Admin Port

Name	Value
Displayed name	Admin Port
OSS name	portPartnerAdminPort
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|Partner

Table 68-7 Admin Port Priority

Name	Value
Displayed name	Admin Port Priority
OSS name	portPartnerAdminPortPriority
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|Partner

Table 68-8 Admin State

Name	Value
Displayed name	Admin State
OSS name	actorAdminState
Type	lag.LacpState
Default	226

(1 of 2)

Name	Value
Tab|Panel	General|Actor
Enumerated types	
Aggregation	
Collecting	
Defaulted	
Distributing	
Expired	
Lacp Activity	
Lacp Timeout	
Synchronization	

(2 of 2)

Table 68-9 Admin State

Name	Value
Displayed name	Admin State
OSS name	partnerAdminState
Type	lag.LacpState
Default	46
Tab|Panel	General|Partner
Enumerated types	
Aggregation	
Collecting	
Defaulted	
Distributing	
Expired	
Lacp Activity	
Lacp Timeout	
Synchronization	

Table 68-10 Admin System Id

Name	Value
Displayed name	Admin System Id
OSS name	portPartnerAdminSystemId
Type	MACADDR

(1 of 2)

Name	Value
Default	00-00-00-00-00-00
Tab|Panel	General|Partner

(2 of 2)

Table 68-11 Admin System Priority

Name	Value
Displayed name	Admin System Priority
OSS name	portPartnerAdminSystemPriority
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|Partner

Table 68-12 Attached LAG ID

Name	Value
Displayed name	Attached LAG ID
OSS name	attachedLagId
Type	INT
Minimum	0
Maximum	4
Default	0
Tab|Panel	General|LAG Member

Table 68-13 Encapsulation Type

Name	Value
Displayed name	Encapsulation Type
OSS name	encapType
Type	equipment.PortEncapType
Default	unspecified
Read-only	yes
Tab|Panel	Port|General
Enumerated types	

(1 of 2)

Name	Value
ATM	
BCP Dot1 Q	
BCP Null	
CEM	
FR	
Cisco HDLC	
IPCP	
MPLS	
Null	
PPP Auto	
Dot1 Q	
Q in Q	
HDLC	
N/A	
WAN Mirror	

(2 of 2)

Table 68-14 Inner Encapsulation Value

Name	Value
Displayed name	Inner Encapsulation Value
OSS name	innerEncapValue
Type	INT
Default	0
Tab|Panel	Port|General
Description	Provisioned inner encap value. This value is propagated into: terminatedPortInnerEncapValue.

Table 68-15 LACP

Name	Value
Displayed name	LACP
OSS name	lacpEnabled
Type	INT
Default	disabled
Read-only	yes
Tab|Panel	General|LAG Member

(1 of 2)

Name	Value
Description	static or Dynamic(LACP enabled)

(2 of 2)

Table 68-16 LAG ID

Name	Value
Displayed name	LAG ID
OSS name	lagId
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|LAG Member

Table 68-17 Maximum Frame Size Mismatch

Name	Value
Displayed name	Maximum Frame Size Mismatch
OSS name	mtuMismatch
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	Port|General
Description	The value is set to 'true' when the provisioned MTU value is greater than the actual MTU value (provisionedMtu > actualMtu).

Table 68-18 Member Name

Name	Value
Displayed name	Member Name
OSS name	memberName
Type	STRING
Maximum	252
Mandatory on creation	yes
Tab|Panel	General|LAG Member

Table 68-19 Number of Rx Illegal Packets

Name	Value
Displayed name	Number of Rx Illegal Packets
OSS name	portIllegalPackets
Type	INT
Default	0
Tab|Panel	General|Statstics

Table 68-20 Number of Rx LACP Packets

Name	Value
Displayed name	Number of Rx LACP Packets
OSS name	portRxLacpPackets
Type	INT
Default	0
Tab|Panel	General|Statstics

Table 68-21 Number of Tx LACP Packets

Name	Value
Displayed name	Number of Tx LACP Packets
OSS name	portTxLacpPackets
Type	INT
Default	0
Tab|Panel	General|Statstics

Table 68-22 Number of Unknown Packets

Name	Value
Displayed name	Number of Unknown Packets
OSS name	portUnknownPackets
Type	INT
Default	0
Tab|Panel	General|Statstics

Table 68-23 Operational Port Number

Name	Value
Displayed name	Operational Port Number
OSS name	portPartnerNumber
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|Partner

Table 68-24 Oper Key

Name	Value
Displayed name	Oper Key
OSS name	portActorOperKey
Type	INT
Minimum	0
Maximum	65535
Default	0
Read-only	yes
Tab|Panel	General|Actor

Table 68-25 Oper Port Priority

Name	Value
Displayed name	Oper Port Priority
OSS name	portPartnerOperPortPriority
Type	INT
Minimum	0
Maximum	65535
Default	0
Read-only	yes
Tab|Panel	General|Partner

Table 68-26 Oper State

Name	Value
Displayed name	Oper State
OSS name	actorOperState
Type	lag.LacpState
Tab|Panel	General|Actor
Enumerated types	
Aggregation	
Collecting	
Defaulted	
Distributing	
Expired	
Lacp Activity	
Lacp Timeout	
Synchronization	

Table 68-27 Outer Encapsulation Value

Name	Value
Displayed name	Outer Encapsulation Value
OSS name	outerEncapValue
Type	INT
Default	0
Tab|Panel	Port|General
Description	Provisioned outer encap value. This value is propagated into: terminatedPortOuterEncapValue.

Table 68-28 Partner Oper Key

Name	Value
Displayed name	Partner Oper Key
OSS name	portPartnerOperKey
Type	INT
Minimum	0
Maximum	65535
Default	0

(1 of 2)

Name	Value
Tab|Panel	General|Partner

(2 of 2)

Table 68-29 Partner Oper Port

Name	Value
Displayed name	Partner Oper Port
OSS name	portPartnerOperPort
Type	INT
Minimum	0
Maximum	65535
Default	0
Read-only	yes
Tab|Panel	General|Partner

Table 68-30 Partner Oper State

Name	Value
Displayed name	Partner Oper State
OSS name	partnerOperState
Type	lag.LacpState
Tab|Panel	General|Partner
Enumerated types	
Aggregation	
Collecting	
Defaulted	
Distributing	
Expired	
Lacp Activity	
Lacp Timeout	
Synchronization	

Table 68-31 Partner Oper System Id

Name	Value
Displayed name	Partner Oper System Id

(1 of 2)

Name	Value
OSS name	portPartnerOperSystemId
Type	MACADDR
Default	00-00-00-00-00-00
Read-only	yes
Tab|Panel	General|Partner

(2 of 2)

Table 68-32 Partner Oper System Priority

Name	Value
Displayed name	Partner Oper System Priority
OSS name	portPartnerOperSystemPriority
Type	INT
Minimum	0
Maximum	65535
Default	0
Read-only	yes
Tab|Panel	General|Partner

Table 68-33 Port

Name	Value
Displayed name	Port
OSS name	portName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	Port|General

Table 68-34 Port ID

Name	Value
Displayed name	Port ID
OSS name	portId
Type	LONG
Default	0

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	Port|General

(2 of 2)

Table 68-35 Port Number

Name	Value
Displayed name	Port Number
OSS name	portActorNumber
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|Actor

Table 68-36 Primary Member

Name	Value
Displayed name	Primary Member
OSS name	isPrimaryLagMember
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|LAG Member

Table 68-37 Priority

Name	Value
Displayed name	Priority
OSS name	priority
Type	INT
Minimum	1
Maximum	65535
Default	32768
Tab|Panel	General|LAG Member

Table 68-38 Provisioned Maximum Frame Size

Name	Value
Displayed name	Provisioned Maximum Frame Size
OSS name	provisionedMtu
Type	INT
Default	1500
Units	bytes
Read-only	yes
Tab|Panel	Port|General

Table 68-39 Selected LAG ID

Name	Value
Displayed name	Selected LAG ID
OSS name	selectedLagId
Type	INT
Minimum	0
Maximum	4
Default	0
Tab|Panel	General|LAG Member

Table 68-40 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 68-41 Site Name

Name	Value
Displayed name	Site Name

(1 of 2)

Name	Value
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

(2 of 2)

Table 68-42 Sub-Group ID

Name	Value
Displayed name	Sub-Group ID
OSS name	subGroupId
Type	lag.SubGroupIdEnum
Tab|Panel	General|LAG Member

Table 68-43 System Id

Name	Value
Displayed name	System Id
OSS name	portActorSystemId
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|Actor

Table 68-44 System Priority

Name	Value
Displayed name	System Priority
OSS name	portActorSystemPriority
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|Actor

Table 68-45 Underlying Port State

Name	Value
Displayed name	Underlying Port State
OSS name	underlyingResourceState
Type	lag.UnderlyingResourceState
Default	noAssociation
Read-only	yes
Tab|Panel	Port|General
Description	State of the underlying resource. (An underlying resource is for example a netw.ConnectionTerminationPoint)

69 — Linear Power Adjustment

Table 69-1 Linear Power Adjustment parameters

Parameters	
Add Direction LD	Gain at Commissioning Complete
Calculated Required Gain	Result
Card Sub Type	Site ID
Description	Site Name
Direction	Status
Drop Direction LD	Topology
Execute Command	Type
Gain Adjustment Calculation Offset	WSS Overhead

Table 69-2 Add Direction LD

Name	Value
Displayed name	Add Direction LD
OSS name	addDirectionLd
Type	POINTER
Tab|Panel	General|Power Attributes
Description	The pointer to the LD in the add position of Anydirection A/D block.

Table 69-3 Calculated Required Gain

Name	Value
Displayed name	Calculated Required Gain
OSS name	targetGain
Type	FLOAT
Default	-99.0
Units	dB
Tab|Panel	General|Power Attributes
Description	Calculated required gain.

Table 69-4 Card Sub Type

Name	Value
Displayed name	Card Sub Type
OSS name	assignedCardSubType
Type	equipment.CardSubType
Default	unspecified
Tab|Panel	General|General
Description	The assigned card subtype of the card on which this power adjustment is applicable.
Enumerated types	
Occupied by other Card	
112PDM11	
112SA1L	
112SCA1-100GEth	
112SCA1-OTU4	
112SCX10	
112SNA1-100GEth	
112SNA1-OTU4	
112SNX10	
112SX10L	
11DPE12A	
11DPE12E	
11DPE12	
11DPM12	
11OPE8	
11QCE12X	

(1 of 5)

Name	Value
11QPA4	
11QPE24	
11QPEN4	
11STAR1A	
11STAR1	
11STGE12	
11STMM10	
130SCX10	
1DPP24M-Master	
1DPP24M-Slave	
43SCA1-OTU3	
43SCA1-SONET/SDH	
43SCGE1	
43SCX4	
43SCX4E	
43STA1P	
43STX4	
43STX4P	
4DPA2	
4DPA4 FlexMux	
4DPA4 DualTran	
4QPA8	
A2325A	
A2P2125	
AHPHG	
AHPLG	
ALPFGK	
ALPFGT	
ALPHG	
AM2017B	
AM2125A	
AM2125B	
AM2318A	
AM2325B	
BTC	
10AN10G	
24ANM	

(2 of 5)

69 — Linear Power Adjustment

Name	Value
CWR8-88	
CWR8	
DCM	
HKPCNTL	
EC	
Fan Unit	
FLC	
10ET10G	
24ET1GB	
4AN10G	
8ET1GB	
ITLB	
ITLU	
MT0C	
MESH4	
MVAC8B	
MVAC	
OPSA	
OPSB	
OSC	
OSCT	
PF	
PTPCTL	
PTPIO	
RA2P	
SFC1A	
SFC1B	
SFC1C	
SFC1D	
SFC1E	
SFC1F	
SFC1G	
SFC1H	
SFC2A	
SFC2B	
SFC2C	
SFC2D	

(3 of 5)

Name	Value
SFC4A	
SFC4B	
SFC8	
SFD40B	
SFD40	
SFD44B	
SFD44	
SFD4A	
SFD4B	
SFD4C	
SFD4D	
SFD4E	
SFD4F	
SFD4G	
SFD4H	
SFD5A	
SFD5B	
SFD5C	
SFD5D	
SFD5E	
SFD5F	
SFD5G	
SFD5H	
SFD8A	
SFD8B	
SFD8C	
SFD8D	
SVAC	
11QCUPC	
130SCUP	
MXEC320H	
MTC1T9	
User Interface Panel	
WR2-88	
WR8-88A	
WR8-88AF	
WTOCMA	

(4 of 5)

69 — Linear Power Adjustment

Name	Value
WTOCM	

(5 of 5)

Table 69-5 Description

Name	Value
Displayed name	Description
OSS name	displayedName
Type	STRING
Tab|Panel	General|General
Description	The displayed name of this object.

Table 69-6 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	optical.PowerAdjDirection
Mandatory on creation	yes
Tab|Panel	General|Power Adjustment
Description	The direction of power adjustment - ingress, egress, add, drop, etc.
Enumerated types	
Add	
Drop	
Egress	
Ingress	

Table 69-7 Drop Direction LD

Name	Value
Displayed name	Drop Direction LD
OSS name	dropDirectionLd
Type	POINTER
Tab|Panel	General|Power Attributes
Description	The pointer to the LD in the drop position of Anydirecton A/D block.

Table 69-8 Execute Command

Name	Value
Displayed name	Execute Command
OSS name	powerAdjustCommand
Type	optical.PowerAdjCommand
Default	No Command
Tab|Panel	General|Power Adjustment
Description	The power adjustment operation exposed to the user - start, stop, abort, etc.
Enumerated types	
Abort	
No Command	
Start	
Stop	

Table 69-9 Gain Adjustment Calculation Offset

Name	Value
Displayed name	Gain Adjustment Calculation Offset
OSS name	gainSetOffset
Type	FLOAT
Minimum	-3
Maximum	3
Default	0.0
Units	dB
Tab|Panel	General|Power Attributes
Description	Value added to result of gain adjustment calculation.

Table 69-10 Gain at Commissioning Complete

Name	Value
Displayed name	Gain at Commissioning Complete
OSS name	commissionedGain
Type	FLOAT
Default	-99.0
Units	dB
Tab|Panel	General|Power Attributes

(1 of 2)

69 — Linear Power Adjustment

Name	Value
Description	Gain value set while commissioning flag is false.

(2 of 2)

Table 69-11 Result

Name	Value
Displayed name	Result
OSS name	powerAdjustResult
Type	STRING
Tab|Panel	General|Power Adjustment
Description	The result of the last executed power adjustment operation.

Table 69-12 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Tab|Panel	General|General
Description	The site identifier.

Table 69-13 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Tab|Panel	General|General
Description	The site name.

Table 69-14 Status

Name	Value
Displayed name	Status
OSS name	powerAdjustStatus

(1 of 2)

Name	Value
Type	optical.PowerAdjStatus
Tab|Panel	General|Power Adjustment
Description	Indicates the status of the executed power adjustment operation.
Enumerated types	
Completed	
In Progress	
Not In Progress	

(2 of 2)

Table 69-15 Topology

Name	Value
Displayed name	Topology
OSS name	topology
Type	optical.TopologyType
Default	Not Applicable
Mandatory on creation	yes
Tab|Panel	General|Power Adjustment
Description	The type of topology - linear, ring, etc.
Enumerated types	
Linear (Forced X-Conn Req'd)	
Not Applicable	
Ring (ASE Adjust)	

Table 69-16 Type

Name	Value
Displayed name	Type
OSS name	powerAdjustType
Type	optical.PowerAdjType
Mandatory on creation	yes
Tab|Panel	General|Power Adjustment
Description	The type of power adjustment - linear, ring, dynamicTilt, etc.
Enumerated types	
Dynamic Tilt	
Linear	

(1 of 2)

Name	Value
Ring	

(2 of 2)

Table 69-17 WSS Overhead

Name	Value
Displayed name	WSS Overhead
OSS name	rippleAllowance
Type	FLOAT
Minimum	0
Maximum	10
Default	0.0
Units	dB
Tab|Panel	General|Power Attributes
Description	The ripple allowance.

70 — LineReference

Table 70-1 LineReference parameters

Parameters	
Actual Quality Level	Output Timing Lockout Status
Administrative Status	Output Timing Priority
Assigned Port	Priority
Assigned Port	Provisioned Quality Level
Line Reference	QL Processing
Lockout Status	Signal Status
Operational Status	SSM Status

Table 70-2 Actual Quality Level

Name	Value
Displayed name	Actual Quality Level
OSS name	actualQualityLevel
Type	optical.SystemQualityLevel
Tab|Panel	General|Line Timing
Description	This object indicates the current value of incoming QL on that port.
Enumerated types	
Auto	
DNU	
DUS	

(1 of 2)

Name	Value
EEC Option 1	
Not Applicable	
PNO	
PRC	
PRS	
Quality Unknown	
SMC	
SSU_A	
SSU_B	
ST2	
ST3	
ST3E	
ST4	
STU	
TNC	
unspecified	
Unstable	

(2 of 2)

Table 70-3 Administrative Status

Name	Value
Displayed name	Administrative Status
OSS name	adminStatus
Type	optical.VtsConnAdminAndOperState
Tab|Panel	General|Line Timing
Description	The administrative state of the line reference.
Enumerated types	
Down	
Up	

Table 70-4 Assigned Port

Name	Value
Displayed name	Assigned Port
OSS name	assignedPort

(1 of 3)

Name	Value
Type	optical.SyncPort
Tab|Panel	General|Line Timing
Description	The assigned port for the line reference
Enumerated types	
BITS2	
C1	
C10	
C11	
C12	
C13	
C14	
C15	
C16	
C17	
C18	
C19	
C2	
C20	
C21	
C22	
C3	
C4	
C5	
C6	
C7	
C8	
C9	
L1	
L2	
M1	
M2	
M3	
M4	
Unassigned	
X1	
X2	
X3	

(2 of 3)

Name	Value
X4	
X5	
X6	

(3 of 3)

Table 70-5 Assigned Port

Name	Value
Displayed name	Assigned Port
OSS name	associatedPortForGUI
Type	optical.AssociatedPortType
Tab|Panel	General|Line Timing
Description	The associated port for the line reference
Enumerated types	
None	
BITS2	
P1	
P2	
P3	
P4	
P5	
P6	

Table 70-6 Line Reference

Name	Value
Displayed name	Line Reference
OSS name	lineRefId
Type	optical.SwitchLineReference
Read-only	yes
Tab|Panel	General|Line Timing
Description	SAM only property ,The line reference number
Enumerated types	
Sync0/Internal	
Line Ref 0	
Line Ref 1	

(1 of 2)

Name	Value
Line Ref 2	
Line Ref 3	

(2 of 2)

Table 70-7 Lockout Status

Name	Value
Displayed name	Lockout Status
OSS name	lockoutStatus
Type	optical.EnableDisable
Tab|Panel	General|Line Timing
Description	If lock out line reference or not
Enumerated types	
Disable	
Enable	

Table 70-8 Operational Status

Name	Value
Displayed name	Operational Status
OSS name	operStatus
Type	optical.VtsConnAdminAndOperState
Tab|Panel	General|Line Timing
Description	The operator state of the line reference.
Enumerated types	
Down	
Up	

Table 70-9 Output Timing Lockout Status

Name	Value
Displayed name	Output Timing Lockout Status
OSS name	stationLockoutStatus
Type	optical.EnableDisable
Tab|Panel	General|Line Timing
Description	Output timing Lockout attribute for PTPCTL Card

(1 of 2)

Name	Value
Enumerated types	
Disable	
Enable	

(2 of 2)

Table 70-10 Output Timing Priority

Name	Value
Displayed name	Output Timing Priority
OSS name	stationPriority
Type	optical.SyncPriority
Tab|Panel	General|Line Timing
Description	Output timing Priority attribute for PTPCTL Card
Enumerated types	
1	
2	
3	
4	
5	
6	
7	
8	
Disabled	

Table 70-11 Priority

Name	Value
Displayed name	Priority
OSS name	priority
Type	optical.SyncPriority
Tab|Panel	General|Line Timing
Description	Line reference priority.
Enumerated types	
1	
2	
3	

(1 of 2)

Name	Value
4	
5	
6	
7	
8	
Disabled	

(2 of 2)

Table 70-12 Provisioned Quality Level

Name	Value
Displayed name	Provisioned Quality Level
OSS name	lineRefProvQL
Type	optical.ProvQualityLevel
Tab|Panel	General|Line Timing
Description	Manually provisioned incoming SSM value for the line reference . Note: The parameter can be provisioned only when tnSyncESyncMsg and SyncELineRefIncSSMSupp are enabled.
Enumerated types	
Auto	
PRC	
PRS	
SEC	
SSU_A	
SSU_B	
ST2	
ST3	
ST3E	
STU	
TNC	

Table 70-13 QL Processing

Name	Value
Displayed name	QL Processing
OSS name	qlProcessing
Type	optical.EnableDisable

(1 of 2)

Name	Value
Default	Disable
Tab|Panel	General|Line Timing
Description	Enable or disable the line reference incoming QL processing. Note: The parameter can be provisioned only when tnSyncESyncMsg is enabled.
Enumerated types	
Disable	
Enable	

(2 of 2)

Table 70-14 Signal Status

Name	Value
Displayed name	Signal Status
OSS name	signalStatus
Type	optical.SignalStatusTypes
Tab|Panel	General|Line Timing
Description	The Sync-E line reference state.
Enumerated types	
Deleted	
Failure	
Normal	
Out of Frequency Range	
Unassigned	
WTR	

Table 70-15 SSM Status

Name	Value
Displayed name	SSM Status
OSS name	lineRefIncSSMStatus
Type	optical.SSMStatus
Tab|Panel	General|Line Timing
Description	The current status of incoming QL on that port
Enumerated types	
Invalid	
Not Applicable	
Not Supported	

(1 of 2)

Name	Value
Valid	

(2 of 2)

71 — LO-ODUk

Table 71-1 LO-ODUk parameters

Parameters	
Admin State	ODUk Type
Assigned Rate	Site ID
Ctp ID	Site Name
Expected TTI	Site Name
Incoming TTI	Timeslots
Layer Type	TTI Comparison Enabled
Name	TTI Mismatch Response Enabled
ODUk ID	TTI Status

Table 71-2 Admin State

Name	Value
Displayed name	Admin State
OSS name	administrativeState
Type	optical.XcState
Default	Unknown
Tab|Panel	General|General
Description	Administrative state of the interface. It may be used to suppress the alarms or disable consequent actions on the entity.
Enumerated types	
Down	

(1 of 2)

Name	Value
Unknown	
Up	

(2 of 2)

Table 71-3 Assigned Rate

Name	Value
Displayed name	Assigned Rate
OSS name	assignedRate
Type	optical.AssignedRate
Tab|Panel	General|General
Description	The assigned rate - OTU1, GigE, OC3…
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	

(1 of 3)

Name	Value
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	

(2 of 3)

71 — LO-ODUk

Name	Value
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 71-4 Ctp ID

Name	Value
Displayed name	Ctp ID
OSS name	ctpId
Type	INT
Minimum	1
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the Ctp.

Table 71-5 Expected TTI

Name	Value
Displayed name	Expected TTI
OSS name	odukExpectedTti
Type	STRING
Minimum	0
Maximum	15
Tab|Panel	General|General
Description	ODU expected TTI.

Table 71-6 Incoming TTI

Name	Value
Displayed name	Incoming TTI
OSS name	odukIncomingTti
Type	STRING
Tab|Panel	General|General
Description	ODU incoming TTI.

Table 71-7 Layer Type

Name	Value
Displayed name	Layer Type
OSS name	layerType
Type	optical.LayerType
Tab|Panel	General|General
Description	The layer type - OCH, OTU, ODU, Electrical…
Enumerated types	
Client	
Ethernet	
High Order ODU	
Low Order ODU	
OCH	
ODU	
OTU	

Table 71-8 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 71-9 ODUk ID

Name	Value
Displayed name	ODUk ID
OSS name	loOdukId
Type	LONG
Mandatory on creation	yes
Tab|Panel	General|General
Description	Id of LO-ODUk facility object. It is the lowest time slot number occupied by this object. For example, if LO-ODUk occupies 3 timeslots - 3, 5, 7, then loOdukId will be 3.

Table 71-10 ODUk Type

Name	Value
Displayed name	ODUk Type
OSS name	odukType
Type	optical.OdukType
Tab|Panel	General|General
Description	ODUk type.
Enumerated types	
odu0	
odu1	
oduflex	

Table 71-11 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 71-12 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 71-13 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 71-14 Timeslots

Name	Value
Displayed name	Timeslots
OSS name	timeslots
Type	STRING
Tab|Panel	General|General
Description	Comma separated timeslots. Example - "1, 2, 3

Table 71-15 TTI Comparison Enabled

Name	Value
Displayed name	TTI Comparison Enabled
OSS name	odukTimDetMode
Type	BOOL
Tab|Panel	General|General
Description	ODU TIM detection mode.

Table 71-16 TTI Mismatch Response Enabled

Name	Value
Displayed name	TTI Mismatch Response Enabled
OSS name	odukNimTimActEnabled
Type	BOOL
Tab|Panel	General|General
Description	Indicates whether the Trace Identifier Mismatch (TIM) Consequent Action function is enabled.

Table 71-17 TTI Status

Name	Value
Displayed name	TTI Status
OSS name	odukTtiStatus
Type	optical.AluWdmTtiStatus
Default	Unspecified
Tab|Panel	General|General
Description	Oduk TTI status
Enumerated types	
Mismatch	
Normal	
Unavailable	
Unspecified	

72 — LO-ODUk Cross Connect

Table 72-1 LO-ODUk Cross Connect parameters

Parameters	
A-End	Protection State
Bidirectional	Rate
Cross Connect Id	Rate
Destination	Site ID
ID	Site Name
Name	Source
Name	Z-End

Table 72-2 A-End

Name	Value
Displayed name	A-End
OSS name	ctpAPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|A-End
Description	Pointer to the A end Ctp.

Table 72-3 Bidirectional

Name	Value
Displayed name	Bidirectional
OSS name	biDirectional
Type	BOOL
Default	true
Mandatory on creation	yes
Tab|Panel	General|General
Description	Indicates if this connection is a unidirectional or bidirectional connection.

Table 72-4 Cross Connect Id

Name	Value
Displayed name	Cross Connect Id
OSS name	xcId
Type	LONG
Minimum	1
Default	0
Mandatory on creation	yes
Tab|Panel	General|Cross Connect Information
Description	SAM generated XC id used for FDN.

Table 72-5 Destination

Name	Value
Displayed name	Destination
OSS name	endpointZName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Name of the endpoint Z, used for display.

Table 72-6 ID

Name	Value
Displayed name	ID
OSS name	xcId
Type	LONG
Minimum	1
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	SAM generated XC id used for FDN.

Table 72-7 Name

Name	Value
Displayed name	Name
OSS name	odukXcName
Type	STRING
Mandatory on creation	yes
Tab|Panel	General|Cross Connect Information
Description	The description of the Oduk cross connect.

Table 72-8 Name

Name	Value
Displayed name	Name
OSS name	odukXcName
Type	STRING
Mandatory on creation	yes
Tab|Panel	General|General
Description	The description of the Oduk cross connect.

Table 72-9 Protection State

Name	Value
Displayed name	Protection State

(1 of 2)

Name	Value
OSS name	protectionState
Type	optical.ProtectionState
Default	Unprotected
Read-only	yes
Mandatory on creation	yes
Tab|Panel	General|General
Description	The protection state of the connection.
Enumerated types	
Unprotected	
Protection	
Working	

(2 of 2)

Table 72-10 Rate

Name	Value
Displayed name	Rate
OSS name	odukXcRate
Type	optical.OdukXcRate
Mandatory on creation	yes
Tab|Panel	General|Cross Connect Information
Description	The Oduk cross connect Rate.
Enumerated types	
Null	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUflex	
ODUflex_3GSDI	

(1 of 2)

Name	Value
ODUFlex-CBR	
ODUflex_FC400	
ODUFlex-GFP	
ODUflex_SDR	
OPTSG	

(2 of 2)

Table 72-11 Rate

Name	Value
Displayed name	Rate
OSS name	odukXcRate
Type	optical.OdukXcRate
Mandatory on creation	yes
Tab|Panel	General|General
Description	The Oduk cross connect Rate.
Enumerated types	
Null	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUflex	
ODUflex_3GSDI	
ODUFlex-CBR	
ODUflex_FC400	
ODUFlex-GFP	
ODUflex_SDR	
OPTSG	

Table 72-12 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Tab|Panel	General|General
Description	Site id.

Table 72-13 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Tab|Panel	General|General
Description	Site name.

Table 72-14 Source

Name	Value
Displayed name	Source
OSS name	endpointAName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Name of the endpoint A, used for display.

Table 72-15 Z-End

Name	Value
Displayed name	Z-End
OSS name	ctpZPointer
Type	POINTER

(1 of 2)

Name	Value
Mandatory on creation	yes
Tab|Panel	General|Z-End
Description	Pointer to the Z end Ctp.

(2 of 2)

73 — MacFilterEntry

Table 73-1 MacFilterEntry parameters

Parameters	
Action	ISID Low
Administrative State	Is Local
Application	Log ID
Description	LSP Deatails
Destination MAC	No displayed name
Displayed Name	Outer Encap Value
Displayed Name	Outer Tag Value
Dot1p	Outer Tag VID Mask
Dot1p Mask	Path ID
DSAP	Policy Type
DSAP Mask	Port Name
Dst Mask	Redirect URL
Encap Type	Router Instance Type
Entry ID	Service ID
Entry Type	SNAP OUI
Ether Type	SNAP PID
Filter ID	Source MAC
Frame Type	Src Mask
Inner Encap Value	SSAP
Inner Tag Value	SSAP Mask
Inner Tag VID Mask	Time Range
ISID High	VC ID

Table 73-2 Action

Name	Value
Displayed name	Action
OSS name	action
Type	acl.FilterActionOrDefault
Tab|Panel	Filter Properties|Protocol
Enumerated types	
forward (LSP)	
forward (Router)	
forward (SAP)	
forward (SDP)	
GTP local breakout	
HTTP redirect	

Table 73-3 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	aclfilter.AdministrativeState
Default	Up
Tab|Panel	General|General
Enumerated types	
Up	
Down	

Table 73-4 Application

Name	Value
Displayed name	Application
OSS name	application
Type	aclfilter.ApplicationType
Default	Normal
Read-only	yes
Tab|Panel	General|General
Enumerated types	

(1 of 2)

Name	Value
BGP Flowspec	
CreditControl	
Normal	
RADIUS	
Host Shared RADIUS	

(2 of 2)

Table 73-5 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 73-6 Destination MAC

Name	Value
Displayed name	Destination MAC
OSS name	destinationMacAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	Filter Properties|Match Criteria

Table 73-7 Displayed Name

Name	Value
Displayed name	Displayed Name
OSS name	containingPolicyDisplayedName
Type	STRING
Maximum	80
Read-only	yes
Tab|Panel	General|Containing Policy

Table 73-8 Displayed Name

Name	Value
Displayed name	Displayed Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 73-9 Dot1p

Name	Value
Displayed name	Dot1p
OSS name	dot1pValue
Type	acl.Dot1pPriority
Default	Not Set (-1)
Tab|Panel	Filter Properties|Match Criteria
Enumerated types	
Not Set (-1)	
0	
1	
2	
3	
4	
5	
6	
7	

Table 73-10 Dot1p Mask

Name	Value
Displayed name	Dot1p Mask
OSS name	dot1pMask
Type	acl.Dot1pPriority
Default	0
Tab|Panel	Filter Properties|Match Criteria

(1 of 2)

Name	Value
Enumerated types	
Not Set (-1)	
0	
1	
2	
3	
4	
5	
6	
7	

(2 of 2)

Table 73-11 DSAP

Name	Value
Displayed name	DSAP
OSS name	dsap
Type	INT
Minimum	-1
Maximum	255
Default	-1
Tab|Panel	Filter Properties|Match Criteria - Dsap Ssap

Table 73-12 DSAP Mask

Name	Value
Displayed name	DSAP Mask
OSS name	dsapMask
Type	INT
Minimum	-1
Maximum	255
Default	-1
Tab|Panel	Filter Properties|Match Criteria - Dsap Ssap

Table 73-13 Dst Mask

Name	Value
Displayed name	Dst Mask
OSS name	destinationMacAddressMask
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	Filter Properties|Match Criteria

Table 73-14 Encap Type

Name	Value
Displayed name	Encap Type
OSS name	fwdSapEncapType
Type	equipment.PortEncapType
Default	unspecified
Read-only	yes
Tab|Panel	Forwarding Destination|SAP
Description	The encapsulation type of the SAP. Can be modified for global entry only. Cannot be modified for local entry. Is set automatically by the server depending on the encap type of the terminating object (as 'fwdSapCtpPointer' is pointing to).
Enumerated types	
ATM	
BCP Dot1 Q	
BCP Null	
CEM	
FR	
Cisco HDLC	
IPCP	
MPLS	
Null	
PPP Auto	
Dot1 Q	
Q in Q	
HDLC	
N/A	
WAN Mirror	

Table 73-15 Entry ID

Name	Value
Displayed name	Entry ID
OSS name	id
Type	LONG
Minimum	0
Maximum	4294967295
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 73-16 Entry Type

Name	Value
Displayed name	Entry Type
OSS name	filterEntryType
Type	aclfilter.FilterEntryType
Default	Normal
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
Embedded	
Normal	

Table 73-17 Ether Type

Name	Value
Displayed name	Ether Type
OSS name	ethernetType
Type	INT
Minimum	-1
Maximum	65535
Default	-1
Tab|Panel	Filter Properties|Match Criteria - Ethernet II

Table 73-18 Filter ID

Name	Value
Displayed name	Filter ID
OSS name	containingPolicyId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Containing Policy

Table 73-19 Frame Type

Name	Value
Displayed name	Frame Type
OSS name	frameType
Type	acl.FrameType
Tab|Panel	Filter Properties|Protocol

Table 73-20 Inner Encap Value

Name	Value
Displayed name	Inner Encap Value
OSS name	fwdSapInnerEncapValue
Type	INT
Default	0
Tab|Panel	Forwarding Destination|SAP
Description	Specifies the SAP Inner encapsulation of the destination for this filter entry. A value of 0 indicates that either 1) the sap encapsulation value is not specified when 'fwdSapCtpPointer' and 'fwdServiceId' have valid values; or 2) that there is no SAP destination. A value different from 0 can only be specified if the value of the 'action' property of this entry is 'forwardSap'. In addition a non-zero value can only be given if the properties 'fwdSdpBindVcId' and 'fwdSdpBindPathId' have a zero value.

Table 73-21 Inner Tag Value

Name	Value
Displayed name	Inner Tag Value
OSS name	innerTagValue

(1 of 2)

Name	Value
Type	INT
Minimum	-1
Maximum	4095
Default	-1
Tab|Panel	Filter Properties|Match Criteria|VID
Description	Specifies the value to match against the VID of the second VLAN tag in the packet that is carried transparently through the service (the second vlan tag after the service delimiting tags). This object can only be set to a non-default value if macFilterType is set to 'vid(3)'. The (default) value of '-1' indicates no inner VLAN tag matching will be performed.

(2 of 2)

Table 73-22 Inner Tag VID Mask

Name	Value
Displayed name	Inner Tag VID Mask
OSS name	innerTagMask
Type	LONG
Minimum	1
Maximum	4095
Default	4095
Tab|Panel	Filter Properties|Match Criteria|VID
Description	It is applied as a mask to VID of the inner VLAN tag of the packet prior to comparing it with innerTagValue. This object can only be set to a non-default value if macFilterType is set to 'vid(3)

Table 73-23 ISID High

Name	Value
Displayed name	ISID High
OSS name	isidHigh
Type	LONG
Minimum	-1
Maximum	16777215
Default	-1
Tab|Panel	Filter Properties|Match Criteria|ISID
Description	Specifies the highest value of the service instance identifier for this service that matches this entry. The default value of -1 indicates no ISID matching will be performed.

Table 73-24 ISID Low

Name	Value
Displayed name	ISID Low
OSS name	isidLow
Type	LONG
Minimum	-1
Maximum	16777215
Default	-1
Tab|Panel	Filter Properties|Match Criteria|ISID
Description	Specifies the lowest value of the service instance identifier for this service that matches this entry. The default value of -1 indicates no ISID matching will be performed.

Table 73-25 Is Local

Name	Value
Displayed name	Is Local
OSS name	isLocal
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General

Table 73-26 Log ID

Name	Value
Displayed name	Log ID
OSS name	logId
Type	LONG
Minimum	0
Maximum	199
Default	0
Tab|Panel	General|General

Table 73-27 LSP Deatils

Name	Value
Displayed name	LSP Deatils
OSS name	fwdLspPointer
Type	POINTER
Tab|Panel	Forwarding LSP Details|LSP Details
Description	This is SAM only attribute to hold the LSP pointer. Currently only static and dynamic LSP can be assigned.

Table 73-28 No displayed name

Name	Value
Displayed name	No displayed name
OSS name	fwdVprnPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	Forwarding Router Instance Details|Router Instance|VPRN
Description	This is SAM only Attribute for selecting a Specific routerInstance/VPRN Pointer

Table 73-29 Outer Encap Value

Name	Value
Displayed name	Outer Encap Value
OSS name	fwdSapOuterEncapValue
Type	INT
Default	0
Tab|Panel	Forwarding Destination|SAP
Description	Specifies the SAP Outer encapsulation of the destination for this filter entry. A value of 0 indicates that either 1) the sap encapsulation value is not specified when 'fwdSapCtpPointer'and 'fwdServiceId' have valid values; or 2) that there is no SAP destination. A value different from 0 can only be specified if the value of the 'action' property of this entry is 'forwardSap'. In addition a non-zero value can only be given if the properties 'fwdSdpBindVcId' and 'fwdSdpBindPathId' have a zero value.

Table 73-30 Outer Tag Value

Name	Value
Displayed name	Outer Tag Value
OSS name	outerTagValue
Type	INT
Minimum	-1
Maximum	4095
Default	-1
Tab|Panel	Filter Properties|Match Criteria|VID
Description	Specifies the value to match against the VID of the first VLAN tag in the packet that is carried transparently through the service (the first vlan tag after the service delimiting tags). This object can only be set to a non-default value if macFilterType is set to 'vid(3)'. The (default) value of '-1' indicates no outer VLAN tag matching will be performed.

Table 73-31 Outer Tag VID Mask

Name	Value
Displayed name	Outer Tag VID Mask
OSS name	outerTagMask
Type	LONG
Minimum	1
Maximum	4095
Default	4095
Tab|Panel	Filter Properties|Match Criteria|VID
Description	It is applied as a mask to VID of the outer VLAN tag of the packet prior to comparing it with outerTagMask. This object can only be set to a non-default value if macFilterType is set to 'vid(3)'.

Table 73-32 Path ID

Name	Value
Displayed name	Path ID
OSS name	fwdSdpBindPathId
Type	LONG
Default	0
Tab|Panel	Forwarding Destination|SDP

(1 of 2)

Name	Value
Description	Specifies the SDP Binding's Path (SDP) ID of the destination for this filter entry. A value of 0 indicates that there is currently no SDP binding defined. A value different from 0 can only be specified if the value of the 'action' object of this entry is 'forwardSdp'. In addition a non-zero value can only be given if the property 'fwdSapCtpPointer' is empty and 'fwdSapInnerEncapValue' and 'fwdSapOuterEncapValue' have a zero value.

(2 of 2)

Table 73-33 Policy Type

Name	Value
Displayed name	Policy Type
OSS name	policyType
Type	aclfilter.PolicyType
Default	unspecified
Read-only	yes
Tab|Panel	General|General

Table 73-34 Port Name

Name	Value
Displayed name	Port Name
OSS name	fwdSapPortName
Type	STRING
Minimum	0
Maximum	50
Tab|Panel	Forwarding Destination|SAP
Description	Contains the name of the port in the same format as used by CLI or SNMP MIB. Can be modified for global entry only. Cannot be modified for local entry. Is set automatically by the server depending on the name of the terminating port (as 'fwdSapCtpPointer' is pointing to).

Table 73-35 Redirect URL

Name	Value
Displayed name	Redirect URL
OSS name	redirectURL
Type	STRING
Minimum	0

(1 of 2)

Name	Value
Maximum	255
Tab|Panel	Web Redirect|Redirect URL

(2 of 2)

Table 73-36 Router Instance Type

Name	Value
Displayed name	Router Instance Type
OSS name	routerType
Type	aclfilter.RouterType
Default	Base
Tab|Panel	Forwarding Router Instance Details|Router Instance
Description	Identify a virtual router type in the system. This attribute is used for SAM configuration only.
Enumerated types	
Base	
VPRN	

Table 73-37 Service ID

Name	Value
Displayed name	Service ID
OSS name	fwdServiceId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Forwarding Destination|Service
Description	Indicates the service id of the destination for this filter entry. A value of 0 indicates that there is currently no active SAP or SDP destination.

Table 73-38 SNAP OUI

Name	Value
Displayed name	SNAP OUI
OSS name	snapOui
Type	acl.SnapOuiValue
Tab|Panel	Filter Properties|Match Criteria - Snap

Table 73-39 SNAP PID

Name	Value
Displayed name	SNAP PID
OSS name	snapPid
Type	INT
Minimum	-1
Maximum	65535
Default	-1
Tab|Panel	Filter Properties|Match Criteria - Snap

Table 73-40 Source MAC

Name	Value
Displayed name	Source MAC
OSS name	sourceMacAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	Filter Properties|Match Criteria

Table 73-41 Src Mask

Name	Value
Displayed name	Src Mask
OSS name	sourceMacAddressMask
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	Filter Properties|Match Criteria

Table 73-42 SSAP

Name	Value
Displayed name	SSAP
OSS name	ssap
Type	INT
Minimum	-1

(1 of 2)

Name	Value
Maximum	255
Default	-1
Tab|Panel	Filter Properties|Match Criteria - Dsap Ssap

(2 of 2)

Table 73-43 SSAP Mask

Name	Value
Displayed name	SSAP Mask
OSS name	ssapMask
Type	INT
Minimum	-1
Maximum	255
Default	-1
Tab|Panel	Filter Properties|Match Criteria - Dsap Ssap

Table 73-44 Time Range

Name	Value
Displayed name	Time Range
OSS name	timeRangePointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General
Description	Pointer to the instance of the Time Range object.

Table 73-45 VC ID

Name	Value
Displayed name	VC ID
OSS name	fwdSdpBindVcId
Type	LONG
Default	0
Tab|Panel	Forwarding Destination|SDP

(1 of 2)

Name	Value
Description	Specifies the SDP Binding's VC ID of the destination for this filter entry. A value of 0 indicates that there is currently no SDP binding defined. A value different from 0 can only be specified if the value of the 'action' object of this entry is 'forwardSdp'. In addition a non-zero value can only be given if the property 'fwdSapCtpPointer' is empty and 'fwdSapInnerEncapValue' and 'fwdSapOuterEncapValue' have a zero value.

(2 of 2)

74 — MacMatch

Table 74-1 MacMatch parameters

Parameters	
Description	Forwarding Class
Destination MAC	Frame Type
Destination Mask	ID
Displayed Name	Profile
Dot1p	Source MAC
Dot1p Mask	Source Mask
Ether Type	

Table 74-2 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 74-3 Destination MAC

Name	Value
Displayed name	Destination MAC
OSS name	destinationMacAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|Match Criteria

Table 74-4 Destination Mask

Name	Value
Displayed name	Destination Mask
OSS name	destinationMacAddressMask
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|Match Criteria

Table 74-5 Displayed Name

Name	Value
Displayed name	Displayed Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 74-6 Dot1p

Name	Value
Displayed name	Dot1p
OSS name	dot1pValue
Type	qos.Dot1pPriority
Default	Not Set (-1)
Tab|Panel	General|Match Criteria

(1 of 2)

Name	Value
Enumerated types	
Not Set (-1)	
0	
1	
2	
3	
4	
5	
6	
7	

(2 of 2)

Table 74-7 Dot1p Mask

Name	Value
Displayed name	Dot1p Mask
OSS name	dot1pMask
Type	qos.Dot1pPriority
Default	0
Tab|Panel	General|Match Criteria
Enumerated types	
Not Set (-1)	
0	
1	
2	
3	
4	
5	
6	
7	

Table 74-8 Ether Type

Name	Value
Displayed name	Ether Type
OSS name	ethernetType

(1 of 2)

Name	Value
Type	INT
Minimum	-1
Maximum	65535
Default	-1
Tab|Panel	General|Match Criteria - Ethernet II

(2 of 2)

Table 74-9 Forwarding Class

Name	Value
Displayed name	Forwarding Class
OSS name	forwardingClass
Type	qos.FcEnumOrDefault
Default	Default
Tab|Panel	General|General
Enumerated types	
Default	

Table 74-10 Frame Type

Name	Value
Displayed name	Frame Type
OSS name	frameType
Type	sasqos.FrameType
Read-only	yes
Tab|Panel	General|General

Table 74-11 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	0
Maximum	4294967295
Default	0

(1 of 2)

Name	Value
Mandatory on creation	yes
Tab|Panel	General|General

(2 of 2)

Table 74-12 Profile

Name	Value
Displayed name	Profile
OSS name	defaultFcProfile
Type	qos.Profile
Tab|Panel	General|General

Table 74-13 Source MAC

Name	Value
Displayed name	Source MAC
OSS name	sourceMacAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|Match Criteria

Table 74-14 Source Mask

Name	Value
Displayed name	Source Mask
OSS name	sourceMacAddressMask
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|Match Criteria

75 — Maintenance Domain

Table 75-1 Maintenance Domain parameters

Parameters	
Configuration Mode	MHF-Id-Permission
Description	Name
Discovery State	Name Type
Distribution Mode	Origin
Level	Policy Scope
Maintenance Domain ID	Site ID
MD Mgr Object ID	Site Name
MHF-Creation	

Table 75-2 Configuration Mode

Name	Value
Displayed name	Configuration Mode
OSS name	configurationMode
Type	ethernetoam.ConfigurationMode
Default	draft
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 75-3 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 75-4 Discovery State

Name	Value
Displayed name	Discovery State
OSS name	discoveryState
Type	ethernetoam.DiscoveryState
Default	notApplicable
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to "inProgress" if the global policy is created as the part of the specific NE resync during the full node resync or node discovery. At the end of full node resync, if the resync is successful, the global policy is completely updated from first discovered local policy and its discoveryState is set to "completed". Otherwise, the global policy isn't updated and its discoveryState is set to "failed". For "failed" global policy, it will be updated by next successful full node resync or synchronized from the specific local policy. Set to "initialized" if the global policy is created by snmp trap notification. User may need to synchronize the global policy manually with the specific local policy. Set to "N/A" if the global policy is created or modified by SAM user.

Table 75-5 Distribution Mode

Name	Value
Displayed name	Distribution Mode
OSS name	distributionMode
Type	ethernetoam.DistributionMode
Default	syncWithGlobal
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 75-6 Level

Name	Value
Displayed name	Level
OSS name	maintDomainLevel
Type	INT
Minimum	0
Maximum	7
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	Specifies the MD level 0 to 7.

Table 75-7 Maintenance Domain ID

Name	Value
Displayed name	Maintenance Domain ID
OSS name	maintDomainId
Type	LONG
Minimum	1
Maximum	4294967295
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the MantenanceDomain ID. If global maintDomainId is 0, SAM will attempt to use the "id" as the value for this; if this value is not available, SAM will use the first available id for "maintDomainId". If global maintDomainId is non-0, SAM will enforce the maintDomainId on the Maintenance Domain local distribution; if this value is not available, SAM will fail distribution. This is not supported on AOS nodes.

Table 75-8 MD Mgr Object ID

Name	Value
Displayed name	MD Mgr Object ID
OSS name	id
Type	LONG
Minimum	0
Maximum	4294967295

(1 of 2)

Name	Value
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

(2 of 2)

Table 75-9 MHF-Creation

Name	Value
Displayed name	MHF-Creation
OSS name	mhfCreation
Type	ethernetoam.MhfCreationEnum
Default	none
Tab|Panel	General|Site
Description	The MHF creation for this MEG. This attribute is only applicable to OMNI switch.
Enumerated types	
default Description: MHFs can be created on this VID on any Bridge port through which this VID can pass.	
defer Description: MHFs can be created for this VID only on Bridge ports through which this VID can pass, and only if a MEP is created at some lower MD Level.	
explicit Description: MHFs can be created for this VID only on Bridge ports through which this VID can pass, and only if a MEP is created at some lower MD Level.	
none Description: No MHFs can be created for this VID.	
static Description: Multiple MHFs can be created on the primary VID on any bridge port through which this primary VID can pass, provided that any existing MEP is created at a lower MD level.	

Table 75-10 MHF-Id-Permission

Name	Value
Displayed name	MHF-Id-Permission
OSS name	mhfIdPermission
Type	ethernetoam.Dot1agCfmIdPermissionEnum
Default	none
Tab|Panel	General|Site
Description	Enumerated value indicating what, if anything, is to be included in the Sender ID TLV (21.5.3) transmitted by MPS configured in this Maintenance Domain. Since, in this variable, there is no encompassing Maintenance Domain, the value sendIdDefer is not allowed.
Enumerated types	
chassis	
chassisManage	

(1 of 2)

Name	Value
defer	
manage	
none	

(2 of 2)

Table 75-11 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Mandatory on creation	yes
Tab|Panel	General|General

Table 75-12 Name Type

Name	Value
Displayed name	Name Type
OSS name	maintDomainNameType
Type	ethernetoam.MaintDomainNameType
Default	string
Mandatory on creation	yes
Tab|Panel	General|General
Description	Specifies the maintenance domain type.
Enumerated types	
dns	
mac	
none	
string	

Table 75-13 Origin

Name	Value
Displayed name	Origin

(1 of 2)

Name	Value
OSS name	origin
Type	STRING
Maximum	50
Default	N/A
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to the siteId if the policy is created as the part of the specific NE resync or by snmp notification. Set to user name if the policy is created by SAM user.

(2 of 2)

Table 75-14 Policy Scope

Name	Value
Displayed name	Policy Scope
OSS name	isLocal
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 75-15 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 75-16 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName

(1 of 2)

Name	Value
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

(2 of 2)

76 — Management Port

Table 76-1 Management Port parameters

Parameters	
Accounting Policy	Interface ID
Accounting Policy	L2 Profile
Actual Speed	L2Uplink
Administrative State	Link Trap
Administrative State	Link Up
Automatic VLAN Binding	Load Balance Algorithm
Background Diagnostics Fault Reason	Manufacture Date
Background Diagnostics State	Manufacturer
Class	Manufacturing Assembly No
CLEI Code	Manufacturing Deviations
CLI Name	Manufacturing Variant
Collect Accounting Statistics	Mode
Collect Accounting Statistics	MTU
Configured MAC	Name
Containing Equipment Status	Network Queue Policy Name
Description	Operational State
Encapsulation Type	Operational State
Equipped	Part Number
Hardware Class	Port Scheduler Policy
Hardware MAC	Port Usage
Holding IGH	Previous State
Hold Time Down	Queue 1
Hold Time Units	Queue 2
Hold Time Up	Queue 3
HSMDA Egress Scheduler Policy	Queue 4

(1 of 2)

Parameters	
Queue 5	Speed
Queue 6	State
Queue 7	Status
Queue 8	Subrack Connection
Serial Number	UNI Profile
Site ID	User label
Site Name	

(2 of 2)

Table 76-2 Accounting Policy

Name	Value
Displayed name	Accounting Policy
OSS name	accountingPolicyObjectPointer
Type	POINTER
Tab|Panel	Policies.General|Accounting

Table 76-3 Accounting Policy

Name	Value
Displayed name	Accounting Policy
OSS name	etherAccountingPolicyObjectPointer
Type	POINTER
Tab|Panel	Policies.General|Ethernet Accounting

Table 76-4 Actual Speed

Name	Value
Displayed name	Actual Speed
OSS name	actualSpeed
Type	LONG
Default	0
Units	kbps
Read-only	yes
Tab|Panel	General|General

Table 76-5 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	equipment.AdministrativeState
Default	Unknown
Tab|Panel	General|Equipment
Enumerated types	
Diagnose	
Up	
Locked	
Maintenance	
Unknown	
Not Relevant	
Operate Switch	
Down	
Shutting Down	
Unlocked	

Table 76-6 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	equipment.AdministrativeState
Default	Unknown
Tab|Panel	States|General
Enumerated types	
Diagnose	
Up	
Locked	
Maintenance	
Unknown	
Not Relevant	
Operate Switch	
Down	
Shutting Down	

(1 of 2)

Name	Value
Unlocked	

(2 of 2)

Table 76-7 Automatic VLAN Binding

Name	Value
Displayed name	Automatic VLAN Binding
OSS name	vlanAutoBind
Type	BOOL
Default	true
Tab|Panel	General|General

Table 76-8 Background Diagnostics Fault Reason

Name	Value
Displayed name	Background Diagnostics Fault Reason
OSS name	backgroundDiagnosticsFaultReason
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 76-9 Background Diagnostics State

Name	Value
Displayed name	Background Diagnostics State
OSS name	backgroundDiagnosticsState
Type	equipment.BackgroundDiagnosticsStateType
Default	Unknown
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
Critical Fault Detected	
Fault Detected	
N/A	
Ok	
Unknown	

Table 76-10 Class

Name	Value
Displayed name	Class
OSS name	portClass
Type	equipment.PortClass
Default	None
Read-only	yes
Tab|Panel	General|General
Enumerated types	
100 Gigabit Ethernet	
DSL	
Fast Ethernet	
Gigabit Ethernet	
GPON	
GPS	
None	
Radio	
Serial	
SONET	
SONET Channel	
TDM	
Variable Speed Ethernet	
Virtual Port	
Voice	
VSM Ethernet	
WDM	
10 Gigabit Ethernet	
40 Gigabit Ethernet	

Table 76-11 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING
Minimum	0
Maximum	16

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|Equipment Location Codes

(2 of 2)

Table 76-12 CLI Name

Name	Value
Displayed name	CLI Name
OSS name	portName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 76-13 Collect Accounting Statistics

Name	Value
Displayed name	Collect Accounting Statistics
OSS name	collectStats
Type	BOOL
Default	true
Tab|Panel	Policies.General|Accounting

Table 76-14 Collect Accounting Statistics

Name	Value
Displayed name	Collect Accounting Statistics
OSS name	etherCollectStats
Type	BOOL
Default	false
Tab|Panel	Policies.General|Ethernet Accounting

Table 76-15 Configured MAC

Name	Value
Displayed name	Configured MAC
OSS name	macAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|General

Table 76-16 Containing Equipment Status

Name	Value
Displayed name	Containing Equipment Status
OSS name	containingEquipmentState
Type	equipment.ContainingEquipmentState
Default	N/A
Read-only	yes
Tab|Panel	States|General
Enumerated types	
Admin Down	
Equipment In Test	
Type Mismatch	
Removed	
Oper Down	
N/A	
OK	

Table 76-17 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	256
Tab|Panel	General|General

Table 76-18 Encapsulation Type

Name	Value
Displayed name	Encapsulation Type
OSS name	encapType
Type	equipment.PortEncapType
Default	Null
Tab|Panel	General|General
Enumerated types	
ATM	
BCP Dot1 Q	
BCP Null	
CEM	
FR	
Cisco HDLC	
IPCP	
MPLS	
Null	
PPP Auto	
Dot1 Q	
Q in Q	
HDLC	
N/A	
WAN Mirror	

Table 76-19 Equipped

Name	Value
Displayed name	Equipped
OSS name	isEquipped
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	States|General

Table 76-20 Hardware Class

Name	Value
Displayed name	Hardware Class
OSS name	hardwareClass
Type	equipment.HardwareClassType
Default	no
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
External Alarm Input	
Fam	
N/A	

Table 76-21 Hardware MAC

Name	Value
Displayed name	Hardware MAC
OSS name	hwMacAddress
Type	MACADDR
Default	00-00-00-00-00-00
Read-only	yes
Tab|Panel	General|General

Table 76-22 Holding IGH

Name	Value
Displayed name	Holding IGH
OSS name	memberOfIGH
Type	POINTER
Read-only	yes
Tab|Panel	General|IGH Membership
Description	ECMP fate sharing group membership

Table 76-23 Hold Time Down

Name	Value
Displayed name	Hold Time Down
OSS name	holdTimeDown
Type	INT
Minimum	0
Maximum	5
Default	0
Units	seconds
Tab|Panel	General|Hold Time

Table 76-24 Hold Time Units

Name	Value
Displayed name	Hold Time Units
OSS name	holdTimeUnits
Type	equipment.HoldTimeUnitsType
Default	0
Tab|Panel	General|Hold Time
Enumerated types	
Centiseconds	
Seconds	

Table 76-25 Hold Time Up

Name	Value
Displayed name	Hold Time Up
OSS name	holdTimeUp
Type	INT
Minimum	0
Maximum	5
Default	0
Units	seconds
Tab|Panel	General|Hold Time

Table 76-26 HSMDA Egress Scheduler Policy

Name	Value
Displayed name	HSMDA Egress Scheduler Policy
OSS name	portEgrHsmdaSchedulerPolicy
Type	POINTER
Tab|Panel	Policies.General|HSMDA Scheduler
Description	Specifies the hsmda scheduler policy used by this port

Table 76-27 Interface ID

Name	Value
Displayed name	Interface ID
OSS name	snmpPortId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General

Table 76-28 L2 Profile

Name	Value
Displayed name	L2 Profile
OSS name	l2ProfilePointer
Type	POINTER
Tab|Panel	Policies.General|L2 Profile
Description	Pointer to the L2 Profile Policy object.

Table 76-29 L2Uplink

Name	Value
Displayed name	L2Uplink
OSS name	isl2UplinkMode
Type	BOOL
Default	false
Tab|Panel	General|General

Table 76-30 Link Trap

Name	Value
Displayed name	Link Trap
OSS name	linkTrap
Type	INT
Default	disable
Tab|Panel	General|General

Table 76-31 Link Up

Name	Value
Displayed name	Link Up
OSS name	isLinkUp
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	States|General

Table 76-32 Load Balance Algorithm

Name	Value
Displayed name	Load Balance Algorithm
OSS name	loadBalanceAlgorithm
Type	equipment.PortLoadBalanceAlgorithm
Default	N/A
Tab|Panel	General|General
Description	Specifies the load balancing algorithm to be used on this port.
Enumerated types	
Default	
Exclude L4	
Include L4	
N/A	

Table 76-33 Manufacture Date

Name	Value
Displayed name	Manufacture Date
OSS name	manufactureDate
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 76-34 Manufacturer

Name	Value
Displayed name	Manufacturer
OSS name	manufacturer
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 76-35 Manufacturing Assembly No

Name	Value
Displayed name	Manufacturing Assembly No
OSS name	manufacturingAssemblyNo
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 76-36 Manufacturing Deviations

Name	Value
Displayed name	Manufacturing Deviations
OSS name	manufacturingDeviations
Type	STRING
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 76-37 Manufacturing Variant

Name	Value
Displayed name	Manufacturing Variant
OSS name	manufacturingVariant
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 76-38 Mode

Name	Value
Displayed name	Mode
OSS name	mode
Type	equipment.PortMode
Default	N/A
Tab|Panel	General|General
Enumerated types	
Access	
Hybrid	
Network	
N/A	

Table 76-39 MTU

Name	Value
Displayed name	MTU
OSS name	mtuValue
Type	INT
Default	0
Units	bytes
Tab|Panel	General|General

Table 76-40 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 76-41 Network Queue Policy Name

Name	Value
Displayed name	Network Queue Policy Name
OSS name	networkQueuePolicyName
Type	STRING
Minimum	1
Maximum	32
Default	default
Read-only	yes
Tab|Panel	Policies.General|Network Queue

Table 76-42 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	equipment.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	General|Equipment
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	

(1 of 2)

Name	Value
Enabled	
Failed	
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	
Provisioned	
Reserved	
Reset Pending	
Shutting Down	
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

(2 of 2)

Table 76-43 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	equipment.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	States|General
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	

(1 of 2)

Name	Value
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	
Provisioned	
Reserved	
Reset Pending	
Shutting Down	
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

(2 of 2)

Table 76-44 Part Number

Name	Value
Displayed name	Part Number
OSS name	manufacturerBoardNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 76-45 Port Scheduler Policy

Name	Value
Displayed name	Port Scheduler Policy
OSS name	portSchedulerPolicyObjectPointer
Type	POINTER
Tab|Panel	Policies.General|Port Scheduler
Description	Specifies the port scheduler policy used by this port

Table 76-46 Port Usage

Name	Value
Displayed name	Port Usage
OSS name	portUsage
Type	INT
Default	0
Tab|Panel	General|Port Usage

Table 76-47 Previous State

Name	Value
Displayed name	Previous State
OSS name	previousState
Type	equipment.PortState
Default	1
Read-only	yes
Tab|Panel	States|General
Enumerated types	
Diagnose	
Ghost	
Link Down	
Link Up	
None	
Up	

Table 76-48 Queue 1

Name	Value
Displayed name	Queue 1
OSS name	portStatsQueue1PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 76-49 Queue 2

Name	Value
Displayed name	Queue 2
OSS name	portStatsQueue2PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 76-50 Queue 3

Name	Value
Displayed name	Queue 3
OSS name	portStatsQueue3PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 76-51 Queue 4

Name	Value
Displayed name	Queue 4
OSS name	portStatsQueue4PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 76-52 Queue 5

Name	Value
Displayed name	Queue 5
OSS name	portStatsQueue5PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 76-53 Queue 6

Name	Value
Displayed name	Queue 6
OSS name	portStatsQueue6PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 76-54 Queue 7

Name	Value
Displayed name	Queue 7
OSS name	portStatsQueue7PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 76-55 Queue 8

Name	Value
Displayed name	Queue 8
OSS name	portStatsQueue8PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 76-56 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	serialNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 76-57 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Equipment

Table 76-58 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Equipment

Table 76-59 Speed

Name	Value
Displayed name	Speed
OSS name	speed
Type	equipment.Speed
Default	0
Units	Mbps
Tab|Panel	General|General
Enumerated types	
Auto Speed	
10	
100	
1000	
10000	
100000	
25000	

(1 of 2)

Name	Value
40000	
Line Rate	
Not Applicable	
Not Available	
OC12	
OC192	
OC3	
OC48	
OC768	
56 kbit/s	
64 kbit/s	
Max100	
Max1000	

(2 of 2)

Table 76-60 State

Name	Value
Displayed name	State
OSS name	state
Type	equipment.PortState
Default	1
Read-only	yes
Tab|Panel	States|General
Enumerated types	
Diagnose	
Ghost	
Link Down	
Link Up	
None	
Up	

Table 76-61 Status

Name	Value
Displayed name	Status

(1 of 2)

Name	Value
OSS name	compositeEquipmentState
Type	equipment.CompositeEquipmentState
Default	N/A
Read-only	yes
Tab|Panel	States|General
Enumerated types	
Parent Admin Down	
Parent In Test	
Parent Type Mismatch	
Parent Removed	
Parent Oper Down	
Admin Down	
In Test	
Type Mismatch	
Removed	
Oper Down	
N/A	
OK	
Link Down	

(2 of 2)

Table 76-62 Subrack Connection

Name	Value
Displayed name	Subrack Connection
OSS name	mptSubrackPointer
Type	POINTER
Default	no
Tab|Panel	General|Port Usage
Description	specifies where the MPT is connected to on the subrack

Table 76-63 UNI Profile

Name	Value
Displayed name	UNI Profile
OSS name	uniProfilePointer

(1 of 2)

Name	Value
Type	POINTER
Tab|Panel	Policies.General|UNI Profile
Description	Pointer to the UNI Profile Policy object.

(2 of 2)

Table 76-64 User label

Name	Value
Displayed name	User label
OSS name	userLabel
Type	STRING
Maximum	15
Default	no
Tab|Panel	General|General

77 — MC LAG

Table 77-1 MC LAG parameters

Parameters	
Config Mismatch	No displayed name
Config Mismatches	Operational MAC LSB
Flush Ethernet Ring Enabled	Peer Address
Is Active	Peer Site Pointer
Is Advertised	Remote LAG ID
Is Using Extended TimeOut	Selection Logic
LACP Key	Site Pointer
MAC LSB	System ID
No displayed name	System Priority
No displayed name	Use LACP Key

Table 77-2 Config Mismatch

Name	Value
Displayed name	Config Mismatch
OSS name	configMismatch
Type	STRING
Read-only	yes
Tab|Panel	States|General
Description	Printable character string which contains information about the multi-chassis configuration mismatch.

Table 77-3 Config Mismatches

Name	Value
Displayed name	Config Mismatches
OSS name	configMismatches
Type	LONG
Default	unspecified
Read-only	yes
Tab|Panel	States|General
Description	Indicates the operational status of the multi-chassis configuration.

Table 77-4 Flush Ethernet Ring Enabled

Name	Value
Displayed name	Flush Ethernet Ring Enabled
OSS name	flushEthRingOnActive
Type	optical.AluWdmEnabledDisabled
Default	Disabled
Tab|Panel	General|General
Description	This specifies whether or not to flush the ethernet rings (ERP) to which the services that the LAG is part of are attached.
Enumerated types	
Disabled	
Enabled	

Table 77-5 Is Active

Name	Value
Displayed name	Is Active
OSS name	isActive
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	States|General
Description	Indicates if this MC-LAG member is active or standby.

Table 77-6 Is Advertised

Name	Value
Displayed name	Is Advertised
OSS name	isAdvertised
Type	BOOL
Read-only	yes
Tab|Panel	States|General
Description	Indicates if the MC-LAG identifier values (i.e. systemId, systemPriority and lacpKey) are advertised to the LACP peer.

Table 77-7 Is Using Extended TimeOut

Name	Value
Displayed name	Is Using Extended TimeOut
OSS name	isUsingExtendedTimeOut
Type	BOOL
Read-only	yes
Tab|Panel	States|General
Description	Indicates whether or not the system is using the value of holdOnNeighborFailure. If true, the system is temporarily using a larger value than the value configured in holdOnNeighborFailure.

Table 77-8 LACP Key

Name	Value
Displayed name	LACP Key
OSS name	lacpKey
Type	LONG
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|MC LAG Identifiers
Description	Identifier for MC-LAG which is a 16 bit key that needs to be configured in the same manner on both sides of the MC-LAG in order for the MC-LAG to come up. The value of this attribute has to be unique with in the context of the peer.

Table 77-9 MAC LSB

Name	Value
Displayed name	MAC LSB
OSS name	srcBMacLSB
Type	STRING
Minimum	5
Maximum	11
Default	00-00
Units	hex
Tab|Panel	General|PBB Source Backbone MAC LSB
Description	The value of srcBMacLSB specifies the value of last 16-bits of the MAC address used for all the traffic ingressing the MC-Lag links. Possible values are: 00-00..FF-FF (0..65535) and FF-FF-FF-FF (4294967295). FF-FF-FF-FF indicates the use of the LACP-Key as source backbone MAC address LSB. If set to 'FF-FF-FF-FF', the value of 'srcBMacLsbUseLacpKey' property is set to true.

Table 77-10 No displayed name

Name	Value
Displayed name	No displayed name
OSS name	lagInterfacePointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|LAG
Description	The FDN of the LAG in this router that is being protected.

Table 77-11 No displayed name

Name	Value
Displayed name	No displayed name
OSS name	mcLagPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|MC LAG Group

Table 77-12 No displayed name

Name	Value
Displayed name	No displayed name
OSS name	remoteLagInterfacePointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Remote LAG

Table 77-13 Operational MAC LSB

Name	Value
Displayed name	Operational MAC LSB
OSS name	operationalSrcBMacLSB
Type	STRING
Read-only	yes
Tab|Panel	General|PBB Source Backbone MAC LSB
Description	The value of operationalSrcBMacLSB indicates the operational value of last 16-bits of the MAC address used for all the traffic ingressing the MC-Lag.

Table 77-14 Peer Address

Name	Value
Displayed name	Peer Address
OSS name	peerIpAddress
Type	INETADDR
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site
Description	The IP address on peer router to send multi-chassis communication.

Table 77-15 Peer Site Pointer

Name	Value
Displayed name	Peer Site Pointer
OSS name	peerSitePointer
Type	POINTER

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|Peer
Description	Corresponds to the matching Peer Should be thought as if it were called matchingPeerSitePointer

(2 of 2)

Table 77-16 Remote LAG ID

Name	Value
Displayed name	Remote LAG ID
OSS name	remoteLagId
Type	INT
Minimum	1
Maximum	200
Default	0
Tab|Panel	General|Remote LAG
Description	The Id of the LAG in the peer router that is protecting the LAG in this router.

Table 77-17 Selection Logic

Name	Value
Displayed name	Selection Logic
OSS name	selectionLogic
Type	STRING
Read-only	yes
Tab|Panel	States|General
Description	Printable character string containing information about the multi-chassis selection logic

Table 77-18 Site Pointer

Name	Value
Displayed name	Site Pointer
OSS name	sitePointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Site

Table 77-19 System ID

Name	Value
Displayed name	System ID
OSS name	systemId
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|MC LAG Identifiers
Description	Identifier for MC-LAG which is an address that needs to be configured in the same manner on both sides of the MC-LAG in order for the MC-LAG to come up. The value of this attribute has to be unique in the context of the peer.

Table 77-20 System Priority

Name	Value
Displayed name	System Priority
OSS name	systemPriority
Type	LONG
Minimum	0
Maximum	65535
Default	0
Tab|Panel	General|MC LAG Identifiers
Description	Identifier for MC-LAG which is a value that needs to be configured in the same manner on both sides of the MC-LAG in order for the MC-LAG to come up. A low numeric value specifies a high system priority.

Table 77-21 Use LACP Key

Name	Value
Displayed name	Use LACP Key
OSS name	srcBMacLsbUseLacpKey
Type	BOOL
Default	false
Tab|Panel	General|PBB Source Backbone MAC LSB
Description	Indicates the use of the lacp-key as source backbone MAC address LSB. If set to 'true', the value of 'srcBMacLSB' property is set to FF-FF-FF-FF.

78 — MC LAG Configuration

Table 78-1 MC LAG Configuration parameters

Parameters	
Administrative State	Operational State
Keep-Alive Interval	Peer Address
Last Operational State Change	Peer Site Pointer
Lost Connection Wait Interval	Site Pointer

Table 78-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	netw.AdministrativeState
Default	Down
Tab|Panel	General|States
Description	Indicates the administrative state of the MC-LAG with the indicated peer. Turning the administrative state down will bring down all operational MC-LAG's in the indicated peer
Enumerated types	
Down	
Up	
Unknown	
Inherit	

(1 of 2)

Name	Value
Not Operational	
Testing	
N/A	
Noop	

(2 of 2)

Table 78-3 Keep-Alive Interval

Name	Value
Displayed name	Keep-Alive Interval
OSS name	keepAliveInterval
Type	LONG
Minimum	5
Maximum	500
Default	10
Units	deciseconds
Tab|Panel	General|Intervals
Description	Indicates the MC-LAG keepalive timer value in units of 0.1 sec. This defines the interval at which keep-alive messages are exchanged between two systems participating in MC-LAG. These keep-alive messages are used to determine remote-node failure.

Table 78-4 Last Operational State Change

Name	Value
Displayed name	Last Operational State Change
OSS name	lastOperationalStateChange
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|States
Description	Indicates the sysUpTime at the time of the last operational state change for this MC-LAG peer.

Table 78-5 Lost Connection Wait Interval

Name	Value
Displayed name	Lost Connection Wait Interval
OSS name	holdOnNeighborFailure
Type	LONG
Minimum	2
Maximum	25
Default	3
Tab|Panel	General|Intervals
Description	Indicates how many keepAliveInterval intervals the standby node will wait for packets from the active node before assuming a redundant-neighbor node failure. This delay in switch-over operation is required to accommodate for different factors influencing node failure detection rate, such as IGP convergence, or HA switch-over times and to prevent the standby node from taking actions prematurely.

Table 78-6 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	multichassis.McLagPeerOperationalState
Default	Down
Read-only	yes
Tab|Panel	General|States
Description	Indicates the operational status of this MC-LAG peer.
Enumerated types	
Up	
Down	

Table 78-7 Peer Address

Name	Value
Displayed name	Peer Address
OSS name	peerIpAddress
Type	INETADDR
Default	0.0.0.0
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|Site
Description	The IP address on peer router to send multi-chassis communication.

(2 of 2)

Table 78-8 Peer Site Pointer

Name	Value
Displayed name	Peer Site Pointer
OSS name	peerSitePointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Peer
Description	Corresponds to the matching Peer Should be thought as if it were called matchingPeerSitePointer

Table 78-9 Site Pointer

Name	Value
Displayed name	Site Pointer
OSS name	sitePointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Site

79 — MC PSS LAG Group

Table 79-1 MC PSS LAG Group parameters

Parameters	
Asymmetrical Config Detected	LAG ID
Card Slot	No displayed name
Card Slot	No displayed name
Description	Source ID
LACP Key	Source ID
LAG	System ID
LAG	System Priority
LAG ID	

Table 79-2 Asymmetrical Config Detected

Name	Value
Displayed name	Asymmetrical Config Detected
OSS name	asymmetricalConfigDetected
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General
Description	A true values means there is a mismatch of one or more of the MC LAG Identifiers (LACP Key, System Id and System Priority) between the MC-LAG configurations in the two peer routers.

Table 79-3 Card Slot

Name	Value
Displayed name	Card Slot
OSS name	firstCardSlotPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|First Site

Table 79-4 Card Slot

Name	Value
Displayed name	Card Slot
OSS name	secondCardSlotPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Second Site

Table 79-5 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General
Description	The value specified in this property is not persisted in the router.

Table 79-6 LACP Key

Name	Value
Displayed name	LACP Key
OSS name	lacpKey
Type	LONG
Minimum	0

(1 of 2)

Name	Value
Maximum	65535
Default	0
Mandatory on creation	yes
Tab|Panel	General|MC LAG Identifiers
Description	Identifier for MC-LAG which is a 16 bit key that needs to be configured in the same manner on both sides of the MC-LAG in order for the MC-LAG to come up. The value of this attribute has to be unique with in the context of the peer.

(2 of 2)

Table 79-7 LAG

Name	Value
Displayed name	LAG
OSS name	firstLagInterfacePointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|First Site
Description	The FDN of the LAG on the first site. The value specified for this property may get swapped with value of secondLagInterfacePointer during creation. Refer description of firstIpAddress property for details.

Table 79-8 LAG

Name	Value
Displayed name	LAG
OSS name	secondLagInterfacePointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Second Site
Description	The FDN of the LAG on the second site. The value specified for this property may get swapped with value of firstLagInterfacePointer during creation. Refer description of secondIpAddress property for details.

Table 79-9 LAG ID

Name	Value
Displayed name	LAG ID
OSS name	firstLagId

(1 of 2)

Name	Value
Type	INT
Minimum	0
Maximum	200
Default	0
Mandatory on creation	yes
Tab|Panel	General|First Site
Description	The LAG Id on the first site. The value specified for this property may get swapped with value of secondLagId during creation. Refer description of firstIpAddress property for details.

(2 of 2)

Table 79-10 LAG ID

Name	Value
Displayed name	LAG ID
OSS name	secondLagId
Type	INT
Minimum	0
Maximum	200
Default	0
Mandatory on creation	yes
Tab|Panel	General|Second Site
Description	The LAG Id on the second site. The value specified for this property may get swapped with value of firstLagId during creation. Refer description of secondIpAddress property for details.

Table 79-11 No displayed name

Name	Value
Displayed name	No displayed name
OSS name	firstMcLagMemberPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|First Site
Description	The FDN to the first MC-LAG member.

Table 79-12 No displayed name

Name	Value
Displayed name	No displayed name
OSS name	secondMcLagMemberPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Second Site
Description	The FDN to the second MC-LAG member.

Table 79-13 Source ID

Name	Value
Displayed name	Source ID
OSS name	firstSourceId
Type	INT
Minimum	1
Maximum	250
Default	0
Mandatory on creation	yes
Tab|Panel	General|First Site

Table 79-14 Source ID

Name	Value
Displayed name	Source ID
OSS name	secondSourceId
Type	INT
Minimum	1
Maximum	250
Default	0
Mandatory on creation	yes
Tab|Panel	General|Second Site

Table 79-15 System ID

Name	Value
Displayed name	System ID
OSS name	systemId
Type	MACADDR
Default	00-00-00-00-00-00
Mandatory on creation	yes
Tab|Panel	General|MC LAG Identifiers
Description	Identifier for MC-LAG which is an address that needs to be configured in the same manner on both sides of the MC-LAG in order for the MC-LAG to come up. The value of this attribute has to be unique in the context of the peer.

Table 79-16 System Priority

Name	Value
Displayed name	System Priority
OSS name	systemPriority
Type	LONG
Minimum	0
Maximum	65535
Default	0
Mandatory on creation	yes
Tab|Panel	General|MC LAG Identifiers
Description	Identifier for MC-LAG which is a value that needs to be configured in the same manner on both sides of the MC-LAG in order for the MC-LAG to come up. A low numeric value specifies a high system priority.

80 — MC Source

Table 80-1 MC Source parameters

Parameters	
Service Site	Site Name
Shelf ID	Slot ID
Site ID	Source ID

Table 80-2 Service Site

Name	Value
Displayed name	Service Site
OSS name	serviceSitePointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Service Site

Table 80-3 Shelf ID

Name	Value
Displayed name	Shelf ID
OSS name	shelfId
Type	LONG

(1 of 2)

Name	Value
Default	1
Read-only	yes
Tab|Panel	General|Card Info

(2 of 2)

Table 80-4 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site Info

Table 80-5 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site Info

Table 80-6 Slot ID

Name	Value
Displayed name	Slot ID
OSS name	cardSlotId
Type	LONG
Default	1
Read-only	yes
Tab|Panel	General|Card Info

Table 80-7 Source ID

Name	Value
Displayed name	Source ID
OSS name	sourceId
Type	INT
Minimum	1
Maximum	250
Mandatory on creation	yes
Tab|Panel	General|General

81 — MC Sync

Table 81-1 MC Sync parameters

Parameters	
Administrative State	Synchronize IGMP-Snooping
Last Sync Time	Synchronize IPoE Subscriber Management
Operational Flags	Synchronize Local DHCP Server
Operational State	Synchronize MC IPsec
Peer Address	Synchronize MC Ring
Peer Site Id	Synchronize MLD
Peer Site Pointer	Synchronize MLD Snooping
Site Id	Synchronize PPPoE Subscriber Management
Site Pointer	Synchronize SRRP
Status	Synchronize Subscriber Host Tracking
Synchronize IGMP	

Table 81-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	netw.AdministrativeState
Default	Down
Tab|Panel	States|General
Enumerated types	

(1 of 2)

Name	Value
Down	
Up	
Unknown	
Inherit	
Not Operational	
Testing	
N/A	
Noop	

(2 of 2)

Table 81-3 Last Sync Time

Name	Value
Displayed name	Last Sync Time
OSS name	lastSyncTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|General

Table 81-4 Operational Flags

Name	Value
Displayed name	Operational Flags
OSS name	operationalFlags
Type	LONG
Default	unspecified
Read-only	yes
Tab|Panel	States|General

Table 81-5 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	netw.OperationalState

(1 of 3)

Name	Value
Read-only	yes
Tab|Panel	States|General
Enumerated types	
Down	
Failed	
Initializing	
Up	
Not Present	
Disabled	
Transition	
Unknown	
Blocking	
MTU Mismatch	
No Egress Label	
No Ingress Label	
No Labels	
Tunnel Down	
Tunnel MTU Too Small	
Tunnel Not Ready	
Indeterminate	
Filtering	
Forwarding	
Dormant	
Lower Layer Down	
Testing	
N/A	
Backup Designated Router	
Designated Router	
Loopback	
Other Designated Router	
Point-to-Point	
Waiting	
attempt	
down	
exchange	
exchange started	
full	

(2 of 3)

Name	Value
init	
loading	
two way	
Admin Down	
Egress QoS Mismatch	
IES Interface Admin Down	
Ingress QoS Mismatch	
Invalid Egress Interface	
Not Alive	
Not Ready	
Transport Tunnel Down	
Port MTU Too Small	

(3 of 3)

Table 81-6 Peer Address

Name	Value
Displayed name	Peer Address
OSS name	peerIpAddress
Type	INETADDR
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site
Description	The IP address on peer router to send multi-chassis communication.

Table 81-7 Peer Site Id

Name	Value
Displayed name	Peer Site Id
OSS name	peerSiteId
Type	INETADDR
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|General
Description	Corresponds to the matching Peer Should be thought as if it were called matchingPeerSiteId

Table 81-8 Peer Site Pointer

Name	Value
Displayed name	Peer Site Pointer
OSS name	peerSitePointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Peer
Description	Corresponds to the matching Peer Should be thought as if it were called matchingPeerSitePointer

Table 81-9 Site Id

Name	Value
Displayed name	Site Id
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|General

Table 81-10 Site Pointer

Name	Value
Displayed name	Site Pointer
OSS name	sitePointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Site

Table 81-11 Status

Name	Value
Displayed name	Status
OSS name	status
Type	multichassis.SyncStatusEnum

(1 of 2)

Name	Value
Default	unspecified
Read-only	yes
Tab|Panel	States|General
Enumerated types	
In Sync	
Out Of Sync	
In Progress	

(2 of 2)

Table 81-12 Synchronize IGMP

Name	Value
Displayed name	Synchronize IGMP
OSS name	igmp
Type	BOOL
Default	false
Tab|Panel	General|General

Table 81-13 Synchronize IGMP-Snooping

Name	Value
Displayed name	Synchronize IGMP-Snooping
OSS name	igmpSnooping
Type	BOOL
Default	false
Tab|Panel	General|General

Table 81-14 Synchronize IPoE Subscriber Management

Name	Value
Displayed name	Synchronize IPoE Subscriber Management
OSS name	subscriberManagement
Type	BOOL
Default	false
Tab|Panel	General|General

Table 81-15 Synchronize Local DHCP Server

Name	Value
Displayed name	Synchronize Local DHCP Server
OSS name	dhcpServer
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Specifies whether DHCP Server information should be synchronized with the multi-chassis peer.

Table 81-16 Synchronize MC IPsec

Name	Value
Displayed name	Synchronize MC IPsec
OSS name	mcIPSec
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Specifies whether ipsec information is synchronized on this multi-chassis peer

Table 81-17 Synchronize MC Ring

Name	Value
Displayed name	Synchronize MC Ring
OSS name	mcRing
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Specifies whether multi chassis ring information should be synchronized with the multi-chassis peer.

Table 81-18 Synchronize MLD

Name	Value
Displayed name	Synchronize MLD
OSS name	mld

(1 of 2)

Name	Value
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Specifies whether MLD information should be synchronized with the multi-chassis peer.

(2 of 2)

Table 81-19 Synchronize MLD Snooping

Name	Value
Displayed name	Synchronize MLD Snooping
OSS name	mldSnooping
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Specifies whether MLD-snooping information should be synchronized with the multi-chassis peer.

Table 81-20 Synchronize PPPoE Subscriber Management

Name	Value
Displayed name	Synchronize PPPoE Subscriber Management
OSS name	subscriberManagementPPPoE
Type	BOOL
Default	false
Tab|Panel	General|General

Table 81-21 Synchronize SRRP

Name	Value
Displayed name	Synchronize SRRP
OSS name	srrp
Type	BOOL
Default	false
Tab|Panel	General|General

Table 81-22 Synchronize Subscriber Host Tracking

Name	Value
Displayed name	Synchronize Subscriber Host Tracking
OSS name	subscriberHostTracking
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Specifies whether subscriber host tracking information should be synchronized with the multi-chassis peer.

82 — Media Adaptor

Table 82-1 Media Adaptor parameters

Parameters	
Acronym Code	Manufacturing Variant
Administrative State	Max Case Temp
Background Diagnostics Fault Reason	Model Name
Background Diagnostics State	Model Number
CLEI Code	Module State
CLEI Code	Module Type
CLI Name	Number of Lanes
Connector Code	Operational State
Connector Type	Optical Compliance
Description	Part Number
Diagnostics Capable	Part Number
Hardware Class	RxDtv Dac Percent
Laser Tunability	Serial Number
Laser Wavelength	Serial Number
Link Length(m)	Site ID
Link Length Support	Site Name
Manufacture Date	Software Part Number
Manufacture Date (YYYY/MM/DD hh:mm:ss)	Supported Media
Manufacturer	Transceiver Type
Manufacturing Assembly No	Vendor OUI
Manufacturing Deviations	

Table 82-2 Acronym Code

Name	Value
Displayed name	Acronym Code
OSS name	acronymCode
Type	STRING
Maximum	12
Tab|Panel	General|General
Description	XFP/SFP acronym code.

Table 82-3 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	equipment.AdministrativeState
Default	Unknown
Tab|Panel	General|Equipment
Enumerated types	
Diagnose	
Up	
Locked	
Maintenance	
Unknown	
Not Relevant	
Operate Switch	
Down	
Shutting Down	
Unlocked	

Table 82-4 Background Diagnostics Fault Reason

Name	Value
Displayed name	Background Diagnostics Fault Reason
OSS name	backgroundDiagnosticsFaultReason
Type	STRING
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 82-5 Background Diagnostics State

Name	Value
Displayed name	Background Diagnostics State
OSS name	backgroundDiagnosticsState
Type	equipment.BackgroundDiagnosticsStateType
Default	Unknown
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
Critical Fault Detected	
Fault Detected	
N/A	
Ok	
Unknown	

Table 82-6 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING
Minimum	0
Maximum	16
Read-only	yes
Tab|Panel	General|Equipment Location Codes

Table 82-7 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING

(1 of 2)

Name	Value
Minimum	0
Maximum	16
Read-only	yes
Tab|Panel	General|General

(2 of 2)

Table 82-8 CLI Name

Name	Value
Displayed name	CLI Name
OSS name	portName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 82-9 Connector Code

Name	Value
Displayed name	Connector Code
OSS name	connectorCode
Type	equipment.ConnectorCode
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Enumerated types	
BNC or TNC	
Copper GigE	
Copper Pigtail	
Fiber Channel Style 1 Copper	
Fiber Channel Style 2 Copper	
Fiber Channel Coaxial Headers	
Fiber Jack	
HSSDC II	
LC	
MT-RJ	

(1 of 2)

Name	Value
MU	
Optical Pigtail	
Optical Transceiver	
SC	
SG	
Unknown	

(2 of 2)

Table 82-10 Connector Type

Name	Value
Displayed name	Connector Type
OSS name	connectorType
Type	equipment.ConnectorType
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Enumerated types	
BNC	
DB15/DB25/M34	
LC	
LC Duplex	
MTRJ	
RJ-45	
RJ-48C	
SC Duplex	
SC Simplex	
SFFP	
SFFP (CFP)	
SFFP (QSFP)	
SFFP (QSFP+)	
SFFP (XFP)	
Unknown	

Table 82-11 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Maximum	255
Default	N/A
Read-only	yes
Tab|Panel	General|General

Table 82-12 Diagnostics Capable

Name	Value
Displayed name	Diagnostics Capable
OSS name	diagnosticsCapable
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General

Table 82-13 Hardware Class

Name	Value
Displayed name	Hardware Class
OSS name	hardwareClass
Type	equipment.HardwareClassType
Default	no
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
External Alarm Input	
Fam	
N/A	

Table 82-14 Laser Tunability

Name	Value
Displayed name	Laser Tunability
OSS name	laserTunability
Type	equipment.LaserTunabilityType
Default	Unequipped
Read-only	yes
Tab|Panel	General|General
Enumerated types	
fully-tunable	
NotTunable	
Unequipped	

Table 82-15 Laser Wavelength

Name	Value
Displayed name	Laser Wavelength
OSS name	laserWaveLength
Type	FLOAT
Default	0
Units	nm
Read-only	yes
Tab|Panel	General|General

Table 82-16 Link Length(m)

Name	Value
Displayed name	Link Length(m)
OSS name	mprLinkLength
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|General
Description	This property is applicable only for mpr node

82 — Media Adaptor

Table 82-17 Link Length Support

Name	Value
Displayed name	Link Length Support
OSS name	linkLengthSupport
Type	STRING
Read-only	yes
Tab|Panel	General|General

Table 82-18 Manufacture Date

Name	Value
Displayed name	Manufacture Date
OSS name	manufactureDate
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 82-19 Manufacture Date (YYYY/MM/DD hh:mm:ss)

Name	Value
Displayed name	Manufacture Date (YYYY/MM/DD hh:mm:ss)
OSS name	vendorManufactureDate
Type	STRING
Maximum	252
Default	N/A
Read-only	yes
Tab|Panel	General|General

Table 82-20 Manufacturer

Name	Value
Displayed name	Manufacturer
OSS name	manufacturer
Type	STRING

(1 of 2)

Name	Value
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 82-21 Manufacturing Assembly No

Name	Value
Displayed name	Manufacturing Assembly No
OSS name	manufacturingAssemblyNo
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 82-22 Manufacturing Deviations

Name	Value
Displayed name	Manufacturing Deviations
OSS name	manufacturingDeviations
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 82-23 Manufacturing Variant

Name	Value
Displayed name	Manufacturing Variant
OSS name	manufacturingVariant
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 82-24 Max Case Temp

Name	Value
Displayed name	Max Case Temp
OSS name	maxCaseTemp
Type	INT
Default	0
Units	Celsius
Tab|Panel	General|General
Description	XFP/SFP maximum case temperature in Celsius.

Table 82-25 Model Name

Name	Value
Displayed name	Model Name
OSS name	hwName
Type	STRING
Minimum	0
Maximum	32
Read-only	yes
Tab|Panel	General|General

Table 82-26 Model Number

Name	Value
Displayed name	Model Number
OSS name	modelNumber
Type	STRING
Maximum	255
Read-only	yes
Tab|Panel	General|General

Table 82-27 Module State

Name	Value
Displayed name	Module State

(1 of 2)

Name	Value
OSS name	moduleState
Type	equipment.SfpPortModuleState
Default	N/A
Tab|Panel	General|General
Description	XFP/SFP module state.
Enumerated types	
No SFP	
N/A	
SFP without seep	
SFP with seep	

(2 of 2)

Table 82-28 Module Type

Name	Value
Displayed name	Module Type
OSS name	moduleType
Type	STRING
Maximum	8
Default	N/A
Tab|Panel	General|General
Description	XFP/SFP module type.

Table 82-29 Number of Lanes

Name	Value
Displayed name	Number of Lanes
OSS name	portSFPNumLanes
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General

Table 82-30 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	equipment.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	General|Equipment
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	
Provisioned	
Reserved	
Reset Pending	
Shutting Down	
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

Table 82-31 Optical Compliance

Name	Value
Displayed name	Optical Compliance

(1 of 2)

Name	Value
OSS name	sfpOpticalCompliance
Type	STRING
Maximum	252
Default	unknown
Read-only	yes
Tab|Panel	General|General

(2 of 2)

Table 82-32 Part Number

Name	Value
Displayed name	Part Number
OSS name	manufacturerBoardNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 82-33 Part Number

Name	Value
Displayed name	Part Number
OSS name	vendorPartNumber
Type	STRING
Minimum	0
Maximum	32
Default	N/A
Read-only	yes
Tab|Panel	General|General

Table 82-34 RxDtv Dac Percent

Name	Value
Displayed name	RxDtv Dac Percent
OSS name	dwdmRxDtvDacPercent
Type	FLOAT

(1 of 2)

Name	Value
Minimum	0
Maximum	100.00
Default	50.00
Units	%
Read-only	yes
Tab|Panel	General|General

(2 of 2)

Table 82-35 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	serialNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 82-36 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	vendorSerialNumber
Type	STRING
Minimum	0
Maximum	32
Default	N/A
Read-only	yes
Tab|Panel	General|General

Table 82-37 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING

(1 of 2)

Name	Value
Maximum	64
Read-only	yes
Tab|Panel	General|Equipment

(2 of 2)

Table 82-38 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Equipment

Table 82-39 Software Part Number

Name	Value
Displayed name	Software Part Number
OSS name	swPartNum
Type	STRING
Maximum	255
Default	N/A
Tab|Panel	General|General
Description	XFP/SFP software part number.

Table 82-40 Supported Media

Name	Value
Displayed name	Supported Media
OSS name	supportedMedia
Type	equipment.SupportedMedia
Default	N/A
Read-only	yes
Tab|Panel	General|General
Enumerated types	

(1 of 2)

Name	Value
Ethernet	
N/A	
SONET/SDH	

(2 of 2)

Table 82-41 Transceiver Type

Name	Value
Displayed name	Transceiver Type
OSS name	specificType
Type	equipment.MediaAdaptorType
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Enumerated types	
CFP Transceiver	
CXP Transceiver	
DWDM SFP Transceiver	
GBIC	
Fixed Adaptor	
MSA-100GLH	
QSFP PLUS Transceiver	
QSFP Transceiver	
SFP Transceiver	
Standard SFP	
Unknown	
User SFP	
X2 Transceiver	
XBI Transceiver	
XENPAK Transceiver	
XFF Transceiver	
XFPE Transceiver	
XFP Transceiver	
XPAK Transceiver	

Table 82-42 Vendor OUI

Name	Value
Displayed name	Vendor OUI
OSS name	vendorOUI
Type	STRING
Minimum	0
Maximum	16
Default	00-00-00
Read-only	yes
Tab|Panel	General|General

83 — MEG Service

Table 83-1 MEG Service parameters

Parameters	
ID-Permission MHF-Creation MIP LTR Priority	Service ID VLAN ID

Table 83-2 ID-Permission

Name	Value
Displayed name	ID-Permission
OSS name	idPermission
Type	ethernetoam.Dot1agCfmIdPermissionEnum
Default	defer
Mandatory on creation	no
Tab|Panel	General|general
Description	Enumerated value indicating what, if anything, is to be included in the Sender ID TLV (21.5.3) transmitted by MPS configured in this MEG. Applicable to AOS nodes only (6.4.3 onwards)
Enumerated types	
chassis	
chassisManage	
defer	

(1 of 2)

Name	Value
manage	
none	

(2 of 2)

Table 83-3 MHF-Creation

Name	Value
Displayed name	MHF-Creation
OSS name	mhfCreation
Type	ethernetoam.MhfCreationEnum
Default	none
Mandatory on creation	no
Tab|Panel	General|general
Description	The MHF creation for this MEG. Currently, value "default" is only applicable to OMNI switch.
Enumerated types	
default Description: MHFs can be created on this VID on any Bridge port through which this VID can pass.	
defer Description: MHFs can be created for this VID only on Bridge ports through which this VID can pass, and only if a MEP is created at some lower MD Level.	
explicit Description: MHFs can be created for this VID only on Bridge ports through which this VID can pass, and only if a MEP is created at some lower MD Level.	
none Description: No MHFs can be created for this VID.	
static Description: Multiple MHFs can be created on the primary VID on any bridge port through which this primary VID can pass, provided that any existing MEP is created at a lower MD level.	

Table 83-4 MIP LTR Priority

Name	Value
Displayed name	MIP LTR Priority
OSS name	mipLtrPriority
Type	INT
Minimum	0
Maximum	7
Default	7
Mandatory on creation	no
Tab|Panel	General|general
Description	The value of mipLtrPriority specifies at what priority the link-trace response frames should be transmitted for a MIP request.

Table 83-5 Service ID

Name	Value
Displayed name	Service ID
OSS name	serviceId
Type	LONG
Minimum	1
Maximum	4294967295
Default	0
Mandatory on creation	yes
Tab|Panel	General|general
Description	Service Id of MEG site.

Table 83-6 VLAN ID

Name	Value
Displayed name	VLAN ID
OSS name	vlanId
Type	INT
Minimum	0
Maximum	4094
Default	0
Mandatory on creation	no
Tab|Panel	General|general
Description	VLAN ID of the VLAN Element object.

84 — MEP

Table 84-1 MEP parameters

Parameters	
Administrative State	CSF Direction
AIS Enabled	CSF Interval
AIS Enabled	CSF Priority
AIS Frames Transmitted	CSF Rx Count
AIS Interface Support Enable	CSF Rx Frame State
AIS Interval	CSF Rx Interval
AIS Last Interval Received	CSF Rx Multiplier
AIS Last Interval Received	Daughter Card For Incoming LBM Without TLV
AIS Meg Level	Defect Flags
AIS Priority	Description
AIS Received (AisRx)	Direction
AIS Received (AisRx)	DMR Frames Transmitted
AIS Received (AisRx)	Enable Client Signal Fault
Alarm Clearing Threshold	Enable Test
Alarm Threshold	Ethernet Ring Path Endpoint
CCM Enabled	Ethernet Tunnel Path Endpoint
CCM Interval	Eth Test Enabled
CCM OUT	Eth Test Pattern
CCM Padding Packet Size (Bytes)	Eth Test Threshold
CCM Sequence Errors	Facility Fault Notify
CCM TLV Ignore	Facility Type
Continuously Running Tests	Facility VLAN ID
Control MEP	Failed AIS Frame Transmits
Control Sap Tag	Fault Alarm Time
Create Redundant MEP	Fault Propagation

(1 of 2)

Parameters	
Fault Reset Time	MC-LAG Inactive
Generate AIS Frames	MEG Sub-Group
High-Priority Defect	MEP ID
ID	Network Interface
Interface Type	One-way-delay Test Threshold
LAG	Operational Mac Address
Last Error CCM Failure Frame	Port
Last Xcon CCM Failure Frame	Primary VLAN Enable
LBR Frames Transmitted Without TLV	Primary VLAN ID
LBR Frames Transmitted With TLV	Priority Level for CCM
LMR Frames Transmitted	Redundant MEP
Low-Priority Defect	RMD
MAC Address	Role
Mac Address	SAP
Maintenance Domain Level	SDP Binding
Maintenance Domain Name	Service Site Pointer
Maintenance Domain Name Type	Site ID
Maintenance Entity Group	Type
Maintenance Entity Group Name	Use as Test Source
Maintenance Entity Group Name Type	Use as Test Target

(2 of 2)

Table 84-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	ethernetoam.AdministrativeState
Default	Up
Tab|Panel	General|mep
Enumerated types	
Down	
Up	

Table 84-3 AIS Enabled

Name	Value
Displayed name	AIS Enabled
OSS name	aisEnable
Type	BOOL
Default	false

(1 of 2)

Name	Value
Tab|Panel	aisL3|General
Description	Specifies whether AIS frames are generated from the Maintenance Entity Group (MEG).

(2 of 2)

Table 84-4 AIS Enabled

Name	Value
Displayed name	AIS Enabled
OSS name	aisEnable
Type	BOOL
Default	false
Tab|Panel	ais|General
Description	Specifies whether AIS frames are generated from the Maintenance Entity Group (MEG).

Table 84-5 AIS Frames Transmitted

Name	Value
Displayed name	AIS Frames Transmitted
OSS name	aisTxCount
Type	INT
Read-only	yes
Tab|Panel	ais|General
Description	Specifies number of AIS frames transmitted on the MEP. (read only)

Table 84-6 AIS Interface Support Enable

Name	Value
Displayed name	AIS Interface Support Enable
OSS name	aisInterfaceEnable
Type	BOOL
Default	false
Tab|Panel	ais|General
Description	specifies whether or not the MEP will generate AIS PDUs when the endpoint associated to this MEP is down regardless of CCM failures.

Table 84-7 AIS Interval

Name	Value
Displayed name	AIS Interval
OSS name	aisInterval
Type	INT
Default	val1
Units	seconds
Tab|Panel	ais|General
Description	Specifies at what intervals to transmit AIS frames.

Table 84-8 AIS Last Interval Received

Name	Value
Displayed name	AIS Last Interval Received
OSS name	rxAisInterval
Type	INT
Read-only	yes
Tab|Panel	aisL3|General
Description	Specifies the AIS Interval received in the last AIS Frame. (read only)

Table 84-9 AIS Last Interval Received

Name	Value
Displayed name	AIS Last Interval Received
OSS name	rxAisInterval
Type	INT
Read-only	yes
Tab|Panel	ais|General
Description	Specifies the AIS Interval received in the last AIS Frame. (read only)

Table 84-10 AIS Meg Level

Name	Value
Displayed name	AIS Meg Level
OSS name	aisMegLevel

(1 of 2)

Name	Value
Type	ethernetoam.AISMegLevelBitType
Default	None
Tab|Panel	ais|General
Description	Specifies the levels that should be notified to suppress alarms resulting from defect conditions detected by the MEP.
Enumerated types	
Level 1	
Level 2	
Level 3	
Level 4	
Level 5	
Level 6	
Level 7	
None	

(2 of 2)

Table 84-11 AIS Priority

Name	Value
Displayed name	AIS Priority
OSS name	aisPriority
Type	INT
Minimum	0
Maximum	7
Default	7
Tab|Panel	ais|General
Description	Specifies at what priority the AIS frames should be transmitted.

Table 84-12 AIS Received (AisRx)

Name	Value
Displayed name	AIS Received (AisRx)
OSS name	rxAis
Type	BOOL
Read-only	yes
Tab|Panel	aisL3|General

(1 of 2)

Name	Value
Description	Specifies if the MEP is receiving AIS test frames from one or more of its sub-layer MEPs. (read only)

(2 of 2)

Table 84-13 AIS Received (AisRx)

Name	Value
Displayed name	AIS Received (AisRx)
OSS name	rxAis
Type	BOOL
Read-only	yes
Tab|Panel	ais|General
Description	Specifies if the MEP is receiving AIS test frames from one or more of its sub-layer MEPs. (read only)

Table 84-14 AIS Received (AisRx)

Name	Value
Displayed name	AIS Received (AisRx)
OSS name	rxAis
Type	BOOL
Read-only	yes
Tab|Panel	General|ccm
Description	Specifies if the MEP is receiving AIS test frames from one or more of its sub-layer MEPs. (read only)

Table 84-15 Alarm Clearing Threshold

Name	Value
Displayed name	Alarm Clearing Threshold
OSS name	dualEndedLossClearThreshold
Type	FLOAT
Minimum	0
Maximum	100
Default	0
Units	%
Tab|Panel	test|dualEndedLoss

(1 of 2)

Name	Value
Description	Specifies the loss threshold, in hundredths of a percent, at which an alarm is cleared for Y1731 Dual-Ended Loss Test.

(2 of 2)

Table 84-16 Alarm Threshold

Name	Value
Displayed name	Alarm Threshold
OSS name	dualEndedLossRaiseThreshold
Type	FLOAT
Minimum	0
Maximum	100
Default	0.25
Units	%
Tab|Panel	test|dualEndedLoss
Description	Specifies the loss threshold, in hundredths of a percent, at which an alarm is raised for Y1731 Dual-Ended Loss Test.

Table 84-17 CCM Enabled

Name	Value
Displayed name	CCM Enabled
OSS name	ccEnable
Type	BOOL
Default	false
Tab|Panel	General|ccm
Description	Specifies the if CC messaging will be run on this MEP

Table 84-18 CCM Interval

Name	Value
Displayed name	CCM Interval
OSS name	ccmInterval
Type	ethernetoam.CCMIntervalNameType
Default	10 s
Read-only	yes
Tab|Panel	General|ccm

(1 of 2)

Name	Value
Description	Specifies the ccm-interval for this MEP, read-only this is configured of the MEG object.
Enumerated types	
1 s	
10 s	
100 ms	
10 ms	
3.33 ms	
60 s	
600 s	

(2 of 2)

Table 84-19 CCM OUT

Name	Value
Displayed name	CCM OUT
OSS name	mepCcmOut
Type	LONG
Default	0
Tab|Panel	General|mep
Description	Total number of Continuity Check messages transmitted

Table 84-20 CCM Padding Packet Size (Bytes)

Name	Value
Displayed name	CCM Padding Packet Size (Bytes)
OSS name	ccmPaddingSize
Type	LONG
Minimum	0
Maximum	1500
Default	0
Tab|Panel	General|ccm
Description	The valueof tmnxDot1agCfmMepCcmPaddingSize specifies the number of additional octets inserted into the CCM PDU for the Data TLV padding. If tmnxDot1agCfmMepCcmPaddingSize is set to zero (0), no Data TLV will be added to the CCM PDUs.

Table 84-21 CCM Sequence Errors

Name	Value
Displayed name	CCM Sequence Errors
OSS name	ccmSeqErrs
Type	INT
Tab|Panel	General|ccm
Description	The total number of out-of-sequence CCMs received from all remote MEPs

Table 84-22 CCM TLV Ignore

Name	Value
Displayed name	CCM TLV Ignore
OSS name	ccmTlvIgnore
Type	ethernetoam.CcmTlvIgnoreType
Default	CCM TLV Ignore
Tab|Panel	General|ccm
Description	specifies the set of TLVs that are received in a CCM PDU for the Remote MEP state machine of the MEP that will be validated for format correctness but their values will be ignored and marked 'Absent' by ETH-CFM.
Enumerated types	
Interface Status	
CCM TLV Ignore	
Port Status	

Table 84-23 Continuously Running Tests

Name	Value
Displayed name	Continuously Running Tests
OSS name	totalnumberOfContinuousTests
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|mep

Table 84-24 Control MEP

Name	Value
Displayed name	Control MEP
OSS name	controlMep
Type	BOOL
Default	false
Tab|Panel	General|ccm
Description	Specifies if this is to be a control MEP or not. Only applicable to Ethernet Tunnel Path Endpoint MEPs.

Table 84-25 Control Sap Tag

Name	Value
Displayed name	Control Sap Tag
OSS name	controlSapTag
Type	INT
Minimum	0
Maximum	768
Default	0
Tab|Panel	General|ccm
Description	Specifies the Control SAP tag

Table 84-26 Create Redundant MEP

Name	Value
Displayed name	Create Redundant MEP
OSS name	createRedundantMep
Type	BOOL
Default	false
Tab|Panel	General|redundantMep
Description	Used to automatically create a redundant version of this MEP on a MC-LAG, this will copy the MEP Id and MacAddress from this MEP to the new Redundant MEP

Table 84-27 CSF Direction

Name	Value
Displayed name	CSF Direction
OSS name	csfDirection
Type	ethernetoam.CSFDirectionType
Default	Disable
Tab|Panel	General|csf
Enumerated types	
Bidirectional	
Disable	
Unidirectional	

Table 84-28 CSF Interval

Name	Value
Displayed name	CSF Interval
OSS name	csfInterval
Type	ethernetoam.CCMIntervalNameType
Default	60 s
Tab|Panel	General|csf
Enumerated types	
1 s	
10 s	
100 ms	
10 ms	
3.33 ms	
60 s	
600 s	

Table 84-29 CSF Priority

Name	Value
Displayed name	CSF Priority
OSS name	csfPriority
Type	INT
Minimum	0

(1 of 2)

Name	Value
Maximum	7
Default	7
Tab|Panel	General|csf

(2 of 2)

Table 84-30 CSF Rx Count

Name	Value
Displayed name	CSF Rx Count
OSS name	csfRxCount
Type	INT
Read-only	yes
Tab|Panel	eth_csf|csf_fault
Description	Specifies the number of CSF frames received on the MEP since the time CSF was enabled.(read only)

Table 84-31 CSF Rx Frame State

Name	Value
Displayed name	CSF Rx Frame State
OSS name	csfRxState
Type	ethernetoam.ClientSignalFaultType
Default	Client Defect Clear Indication
Read-only	yes
Tab|Panel	eth_csf|csf_fault
Description	Indicates the state of the received CSF frames for the MEP.(read only)
Enumerated types	
Client Forward Defect Indication	
Client Defect Clear Indication	
Client Loss of Signal	
Client Reverse Defect Indication	

Table 84-32 CSF Rx Interval

Name	Value
Displayed name	CSF Rx Interval

(1 of 2)

Name	Value
OSS name	csfRxInterval
Type	INT
Read-only	yes
Tab|Panel	eth_csf|csf_fault
Description	Indicates the CSF Interval received in the most recent CSF frame.(read only)

(2 of 2)

Table 84-33 CSF Rx Multiplier

Name	Value
Displayed name	CSF Rx Multiplier
OSS name	csfRxMultiplier
Type	FLOAT
Minimum	0
Maximum	30
Default	3.5
Tab|Panel	eth_csf|csf_fault
Description	Specifies the receive period multiplier used for timing out CSF, in increments of 5.

Table 84-34 Daughter Card For Incoming LBM Without TLV

Name	Value
Displayed name	Daughter Card For Incoming LBM Without TLV
OSS name	lbmNoTLVMdaNum
Type	INT
Read-only	yes
Tab|Panel	General|loopback
Description	Specifies MDA that handles the incoming LBM with no TLV. (read only)

Table 84-35 Defect Flags

Name	Value
Displayed name	Defect Flags
OSS name	mepDefects
Type	ethernetoam.MepDefects
Default	No Defects

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|ccm
Description	Specifies the defects for this MEP.
Enumerated types	
bDefErrorCCM	
bDefMacStatus	
bDefRDICCM	
bDefRemoteCCM	
bDefXconCCM	
LOC	
MMG	
No Defects	
RDI	
UNL	
UNM	
UNP	

(2 of 2)

Table 84-36 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Maximum	80
Tab|Panel	General|mep
Description	The value of tmnxDot1agCfmMepFacilityVlanId specifies, along with tmnxDot1agCfmMepFacilityIfIndex and tmnxDot1agCfmMepFacilityType, the encapsulation value of the port or interface associated with this MEP.

Table 84-37 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	ethernetoam.Direction
Default	Down

(1 of 2)

Name	Value
Mandatory on creation	yes
Tab|Panel	General|mep
Description	Specifies the direction up or down for the MEP. Virtual MEP can only have UP direction.
Enumerated types	
Down	
Up	

(2 of 2)

Table 84-38 DMR Frames Transmitted

Name	Value
Displayed name	DMR Frames Transmitted
OSS name	dmrTxCount
Type	INT
Read-only	yes
Tab|Panel	test|General
Description	Specifies number of DMR frames transmitted on the MEP. (read only)

Table 84-39 Enable Client Signal Fault

Name	Value
Displayed name	Enable Client Signal Fault
OSS name	csfEnable
Type	BOOL
Default	false
Tab|Panel	eth_csf|csf_fault
Description	Specifies whether received CSF (Client Signal Fault) frames are processed by the Maintenance Entity Group (MEG).

Table 84-40 Enable Test

Name	Value
Displayed name	Enable Test
OSS name	dualEndedLossEnable
Type	BOOL
Default	false

(1 of 2)

Name	Value
Tab|Panel	test|dualEndedLoss
Description	Specifies whether Y1731 Dual-Ended Loss Test is enabled when CC messages are enabled.

(2 of 2)

Table 84-41 Ethernet Ring Path Endpoint

Name	Value
Displayed name	Ethernet Ring Path Endpoint
OSS name	ethRingPathEndptPointer
Type	STRING
Mandatory on creation	yes
Tab|Panel	General|from_ethRing
Description	Specifies the Ethernet Tunnel Path Endpoint pointer that this regular MEP is associated with.

Table 84-42 Ethernet Tunnel Path Endpoint

Name	Value
Displayed name	Ethernet Tunnel Path Endpoint
OSS name	ethTunnelPathEndptPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|from_ethTunnel
Description	Specifies the Ethernet Tunnel Path Endpoint pointer that this regular MEP is associated with.

Table 84-43 Eth Test Enabled

Name	Value
Displayed name	Eth Test Enabled
OSS name	ethTestEnable
Type	BOOL
Default	false
Tab|Panel	test|General
Description	Specifies whether ETH Test frames are generated from the Maintenance Entity Group (MEG).

Table 84-44 Eth Test Pattern

Name	Value
Displayed name	Eth Test Pattern
OSS name	ethTestPattern
Type	ethernetoam.MepEthTestPatternType
Default	AllZerosNoCrc
Tab|Panel	test|General
Description	Specifies the data-content of the AIS test frames.
Enumerated types	
AllOnesCrc	
AllOnesNoCrc	
AllZerosCrc	
AllZerosNoCrc	

Table 84-45 Eth Test Threshold

Name	Value
Displayed name	Eth Test Threshold
OSS name	ethTestThreshold
Type	INT
Minimum	0
Maximum	11840
Default	0
Units	number of bit-errors
Tab|Panel	test|General
Description	Specifies when a tmnxDot1agCfmMepEthTestComplete notification is sent. If tmnxDot1agCfmMepEthTestThreshold is set to zero (0), a notification is sent on the completion of any test for this MEP.

Table 84-46 Facility Fault Notify

Name	Value
Displayed name	Facility Fault Notify
OSS name	fcltyFaultNotify
Type	BOOL
Default	false
Tab|Panel	General|facilityMep

(1 of 2)

Name	Value
Description	The value of FcltyFaultNotify specifies whether or not a fault detected on this Facility MEP will notify the SAPs and Facility MEPs associated to this MEP. This object pertains to Facility MEPs only (Port and LAG).

(2 of 2)

Table 84-47 Facility Type

Name	Value
Displayed name	Facility Type
OSS name	facilityType
Type	ethernetoam.FacilityType
Default	Non-Facility
Read-only	yes
Tab|Panel	General|facilityMep
Description	The value of tmnxDot1agCfmMepFacilityType specifies, along with tmnxDot1agCfmMepFacilityIfIndex and tmnxDot1agCfmMepFacilityVlanId, whether the port or interface is associated with this MEP.
Enumerated types	
Interface	
Non-Facility	
Port/LAG	

Table 84-48 Facility VLAN ID

Name	Value
Displayed name	Facility VLAN ID
OSS name	facilityVlanId
Type	INT
Minimum	0
Maximum	4094
Default	0
Mandatory on creation	yes
Tab|Panel	General|facilityMep
Description	The value of FacilityVlanId specifies the encapsulation value of the LAG MEP. When VLAN ID is set, then the LAG MEP will be a Tunnel MEP. And a logical tunnel is created with the same VLAN ID. Tunnel Mep is associated with Service SAPs, if the SAPs Outer Encap Value is the same value of the VLAN ID. Thus the Oper State of these SAPs will be affected by the Tunnel Facility Mep, if the Facility Fault Notify is set on the Tunnel Mep, and Site/SAP tunnel fault will be set to accept.

Table 84-49 Failed AIS Frame Transmits

Name	Value
Displayed name	Failed AIS Frame Transmits
OSS name	aisTxFail
Type	INT
Read-only	yes
Tab|Panel	ais|General
Description	The value of tmnxDot1agCfmMepEthAisTxFail indicates the number of AIS frames the MEP failed to transmit due to resource limitations. (read only)

Table 84-50 Fault Alarm Time

Name	Value
Displayed name	Fault Alarm Time
OSS name	mepFngAlarmTime
Type	INT
Minimum	250
Maximum	1000
Default	250
Units	Centiseconds
Step	10
Tab|Panel	General|fault
Description	The time that defects must be present before a Fault Alarm is issued

Table 84-51 Fault Propagation

Name	Value
Displayed name	Fault Propagation
OSS name	faultPropagation
Type	ethernetoam.FaultPropagationEnum
Default	Disabled
Tab|Panel	General|ccm
Description	The value of tmnxDot1agCfmMepFaultPropagation specifies what action should be taken by the MEP if a fault is detected in the service containing the MEP. When this object is set to 'disabled (0)', no additional fault propagation will occur. When this object is set to 'useIfStatusTLV (1)', the MEP will send an interface status TLV in the next CCM indicating fault when fault is detected, even if the MEP itself has not detected a fault. When this object is set to 'suspendCCM (2)', faults will be propagated by stopping the regular CCM transmissions entirely. Once the fault is cleared, the regular CCM transmissions will resume.

(1 of 2)

Name	Value
Enumerated types	
Disabled Description: No additional fault.	
SuspendCCM Description: Faults will be propagated by stopping the regular CCM transmissions entirely. Once the fault is cleared, the regular CCM transmissions will resume.	
UseIfStatusTLV Description: The MEP will send an interface status TLV in the next CCM indicating fault when fault is detected, even if the MEP itself has not detected a fault.	

(2 of 2)

Table 84-52 Fault Reset Time

Name	Value
Displayed name	Fault Reset Time
OSS name	mepFngResetTime
Type	INT
Minimum	250
Maximum	1000
Default	1000
Units	Centiseconds
Step	10
Tab|Panel	General|fault
Description	The time that defects must be absent before resetting a Fault Alarm

Table 84-53 Generate AIS Frames

Name	Value
Displayed name	Generate AIS Frames
OSS name	txAisOnPortDown
Type	BOOL
Default	false
Tab|Panel	ais|General
Description	Specifies whether AIS frames are generated for client MEP-s immediately when port down is detected on a SAP where server MEP resides

Table 84-54 High-Priority Defect

Name	Value
Displayed name	High-Priority Defect

(1 of 2)

Name	Value
OSS name	mepHighestPrDefect
Type	ethernetoam.HighPriorityDefectType
Default	No Defects
Read-only	yes
Tab|Panel	General|ccm
Description	Specifies highest priority defect for this MEP (read only)
Enumerated types	
DefErrorCCM	
DefMacStatus	
DefRDICCM	
DefRemoteCCM	
DefXconCCM	
No Defects	

(2 of 2)

Table 84-55 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	1
Maximum	8191
Default	0
Mandatory on creation	yes
Tab|Panel	General|mep
Description	The identifier for MP.

Table 84-56 Interface Type

Name	Value
Displayed name	Interface Type
OSS name	sapOrBinding
Type	ethernetoam.SapOrBindingOnMep
Default	SAP
Mandatory on creation	yes

(1 of 2)

Name	Value
Tab|Panel	General|mep
Description	Specifies the if the regular MEP is associated with a Sap, binding or Ethernet Tunnel Path. For virtual MEP, it should be set to "na".
Enumerated types	
Ethernet Ring Path Endpoint	
Ethernet Tunnel Path Endpoint	
LAG	
N/A	
Port	
Remote Managed Device	
Network Interface	
SAP	
SdpBinding	

(2 of 2)

Table 84-57 LAG

Name	Value
Displayed name	LAG
OSS name	lagPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|from_lag
Description	Specifies the LAG pointer that this Facility MEP is associated with.

Table 84-58 Last Error CCM Failure Frame

Name	Value
Displayed name	Last Error CCM Failure Frame
OSS name	ccmLastError
Type	STRING
Tab|Panel	General|ccm
Description	The last-received CCM that triggered an DefErrorCCM fault

Table 84-59 Last Xcon CCM Failure Frame

Name	Value
Displayed name	Last Xcon CCM Failure Frame
OSS name	ccmLastXcon
Type	STRING
Tab|Panel	General|ccm
Description	The last-received CCM that triggered a DefXconCCM fault

Table 84-60 LBR Frames Transmitted Without TLV

Name	Value
Displayed name	LBR Frames Transmitted Without TLV
OSS name	lbrTxCountNoTLV
Type	INT
Read-only	yes
Tab|Panel	General|loopback
Description	Specifies number of LBR frames transmitted without TLV on the MEP. (read only)

Table 84-61 LBR Frames Transmitted With TLV

Name	Value
Displayed name	LBR Frames Transmitted With TLV
OSS name	lbrTxCountWithTLV
Type	INT
Read-only	yes
Tab|Panel	General|loopback
Description	Specifies number of LBR frames transmitted with TLV on the MEP. (read only)

Table 84-62 LMR Frames Transmitted

Name	Value
Displayed name	LMR Frames Transmitted
OSS name	lmrTxCount
Type	INT
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	test|General
Description	Specifies number of LMR frames transmitted on the MEP. (read only)

(2 of 2)

Table 84-63 Low-Priority Defect

Name	Value
Displayed name	Low-Priority Defect
OSS name	mepLowestPrDefect
Type	ethernetoam.LowPriorityDefectType
Default	macRemErrXcon
Tab|Panel	General|ccm
Description	Specifies the low priority defect at which at alarm will be raised by the MEP.
Enumerated types	
allDef	
errXcon	
macRemErrXcon	
noXcon	
remErrXcon	
xcon	

Table 84-64 MAC Address

Name	Value
Displayed name	MAC Address
OSS name	macAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|mep
Description	Specifies the configured Mac address for the MEP.

Table 84-65 Mac Address

Name	Value
Displayed name	Mac Address
OSS name	operationalMacAddress

(1 of 2)

Name	Value
Type	MACADDR
Read-only	yes
Tab|Panel	General|General
Description	Specifies the actual MAC address used by the MP (read only)

(2 of 2)

Table 84-66 Maintenance Domain Level

Name	Value
Displayed name	Maintenance Domain Level
OSS name	maintDomainLevel
Type	INT
Read-only	yes
Tab|Panel	General|mep
Description	The MD level associated with MEP

Table 84-67 Maintenance Domain Name

Name	Value
Displayed name	Maintenance Domain Name
OSS name	maintDomainName
Type	STRING
Maximum	43
Read-only	yes
Tab|Panel	General|mep
Description	The MD Name associated with MEP

Table 84-68 Maintenance Domain Name Type

Name	Value
Displayed name	Maintenance Domain Name Type
OSS name	maintDomainNameType
Type	ethernetoam.MaintDomainNameType
Read-only	yes
Tab|Panel	General|mep
Description	The MD Name Type associated with MEP

(1 of 2)

Name	Value
Enumerated types	
dns	
mac	
none	
string	

(2 of 2)

Table 84-69 Maintenance Entity Group

Name	Value
Displayed name	Maintenance Entity Group
OSS name	maintAssociationPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|mep

Table 84-70 Maintenance Entity Group Name

Name	Value
Displayed name	Maintenance Entity Group Name
OSS name	maintAssocName
Type	STRING
Maximum	45
Read-only	yes
Tab|Panel	General|mep
Description	The MEG Name associated with MEP

Table 84-71 Maintenance Entity Group Name Type

Name	Value
Displayed name	Maintenance Entity Group Name Type
OSS name	maintAssocNameType
Type	ethernetoam.MaintAssocNameType
Read-only	yes
Tab|Panel	General|mep
Description	The MEG Name Type associated with MEP

(1 of 2)

Name	Value
Enumerated types	
icc-based	
integer	
string	
vid	
vpn-id	

(2 of 2)

Table 84-72 MC-LAG Inactive

Name	Value
Displayed name	MC-LAG Inactive
OSS name	mcLagInactive
Type	ethernetoam.McLagInactiveType
Read-only	yes
Tab|Panel	General|redundantMep
Description	The value of tmnxDot1agCfmMepMcLagInactive indicates whether or not the MEP is inactive, 'standby (2)', due to the MC-LAG standby state. The value of tmnxDot1agCfmMcLagStdbyInactive must be set to 'true (1)' for this object to have meaning and return anything other than 'notApplicable (0)'.
Enumerated types	
Active	
Not Applicable	
Standby	

Table 84-73 MEG Sub-Group

Name	Value
Displayed name	MEG Sub-Group
OSS name	megSubGroupPointer
Type	POINTER
Tab|Panel	General|subGroup

Table 84-74 MEP ID

Name	Value
Displayed name	MEP ID

(1 of 2)

Name	Value
OSS name	id
Type	LONG
Minimum	1
Maximum	8191
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for MP.

(2 of 2)

Table 84-75 Network Interface

Name	Value
Displayed name	Network Interface
OSS name	routerInterfacePointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|from_nwInterface
Description	Specifies the Network Interface pointer that this Facility MEP is associated with.

Table 84-76 One-way-delay Test Threshold

Name	Value
Displayed name	One-way-delay Test Threshold
OSS name	owdtThreshold
Type	INT
Minimum	0
Maximum	600
Default	0
Units	seconds
Tab|Panel	test|General
Description	Specifies when a tmnxDot1agCfmMepDMTestComplete notification is sent for a one-way-delay test. If tmnxDot1agCfmMepOWDTThreshold is set to zero (0), a notification is sent on the completion of any one-way-delay-test for this MEP.

Table 84-77 Operational Mac Address

Name	Value
Displayed name	Operational Mac Address
OSS name	operationalMacAddress
Type	MACADDR
Read-only	yes
Tab|Panel	General|mep
Description	Specifies the actual MAC address used by the MP (read only)

Table 84-78 Port

Name	Value
Displayed name	Port
OSS name	portPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|from_port
Description	Specifies the Port pointer that this Facility MEP is associated with.

Table 84-79 Primary VLAN Enable

Name	Value
Displayed name	Primary VLAN Enable
OSS name	primaryVlanEnable
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	General|mep
Description	Specifies whether MEP is using a Primary VLAN ID.

Table 84-80 Primary VLAN ID

Name	Value
Displayed name	Primary VLAN ID
OSS name	primaryVlanId

(1 of 2)

Name	Value
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|mep
Description	Specifies the Primary VLAN Id associated with the MEP.

(2 of 2)

Table 84-81 Priority Level for CCM

Name	Value
Displayed name	Priority Level for CCM
OSS name	ccmLtmPriority
Type	INT
Minimum	0
Maximum	7
Default	7
Tab|Panel	General|ccm
Description	Specifies the ccm-interval for the MEP.

Table 84-82 Redundant MEP

Name	Value
Displayed name	Redundant MEP
OSS name	redundantMepPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|redundantMep
Description	Specifies a MEP pointer to the Active/Standby LAG Facility MEP.

Table 84-83 RMD

Name	Value
Displayed name	RMD
OSS name	rmdPointer
Type	POINTER
Mandatory on creation	yes

(1 of 2)

Name	Value
Tab|Panel	General|from_rmd
Description	Specifies the Remote Managed Device that this MEP is associated with.

(2 of 2)

Table 84-84 Role

Name	Value
Displayed name	Role
OSS name	testRole
Type	ethernetoam.MepRole
Default	Hub
Tab|Panel	General|testOptions
Description	Specifies if Test Suite Generation should use this MEP as a Hub or Spoke (Hubs target Hubs and Spokes, Spoke can only target Hubs)
Enumerated types	
Hub	
Spoke	

Table 84-85 SAP

Name	Value
Displayed name	SAP
OSS name	sapPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|from_sap
Description	Specifies the SAP pointer associated with this regular MEP. Pointer to the service interface for this MEP.

Table 84-86 SDP Binding

Name	Value
Displayed name	SDP Binding
OSS name	sdpBindingPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|from_core

(1 of 2)

Name	Value
Description	Specifies the sdpBindingPointer that this regular MEP is associated with.

(2 of 2)

Table 84-87 Service Site Pointer

Name	Value
Displayed name	Service Site Pointer
OSS name	serviceSitePointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|from_site
Description	Specifies the serviceSitePointer that this virtual MEP is associated with. For SR 7.0, the MEP can only be associated with a B-VPLS Site. For SR 9.0 R4 and above the vMEP can be associated with any VPLS Site.

Table 84-88 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|mep
Description	The site ID for this MEP

Table 84-89 Type

Name	Value
Displayed name	Type
OSS name	type
Type	ethernetoam.MepType
Default	Regular
Mandatory on creation	yes
Tab|Panel	General|mep

(1 of 2)

Name	Value
Description	Specifies the type of this MEP, i.e. it is a regular one associated with a Sap or SDP binding, or a virtual MEP associated to a service Site. Virtual MEP is supported from SR 7.0, and it can only be associated with a B-Site.
Enumerated types	
Regular	
Virtual	

(2 of 2)

Table 84-90 Use as Test Source

Name	Value
Displayed name	Use as Test Source
OSS name	testSource
Type	BOOL
Default	true
Tab|Panel	General|testOptions
Description	Specifies if Test Suite Generation should use this MEP as a CFM test source (Originating MEP in test)

Table 84-91 Use as Test Target

Name	Value
Displayed name	Use as Test Target
OSS name	testTarget
Type	BOOL
Default	true
Tab|Panel	General|testOptions
Description	Specifies if Test Suite Generation should use this MEP as a CFM test target (Target Mac Address in test)

85 — Meter

Table 85-1 Meter parameters

Parameters	
Admin Cbs	Oper Cbs
Admin Mbs	Oper Mbs
CIR	PIR
CIR Adaptation	PIR Adaptation
ID	Rate Mode
MultiPoint	

Table 85-2 Admin Cbs

Name	Value
Displayed name	Admin Cbs
OSS name	cbs
Type	INT
Minimum	-1
Maximum	2146959
Default	-1
Units	kbps
Tab|Panel	Burst Size|Committed Burst Size

Table 85-3 Admin Mbs

Name	Value
Displayed name	Admin Mbs
OSS name	mbs
Type	INT
Minimum	-1
Maximum	2146959
Default	-1
Units	kbps
Tab|Panel	Burst Size|Maximum Burst Size

Table 85-4 CIR

Name	Value
Displayed name	CIR
OSS name	cir
Type	INT
Minimum	-1
Maximum	20000000
Default	0
Units	kbps
Tab|Panel	CIR/PIR|CIR

Table 85-5 CIR Adaptation

Name	Value
Displayed name	CIR Adaptation
OSS name	cirAdaptation
Type	qos.RateAdaptationRule
Default	Closest
Tab|Panel	CIR/PIR|General
Description	Specifies the adaptation rule used to compute the operational CIR value.
Enumerated types	
Closest	
Max	
Min	

Table 85-6 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	0
Maximum	4294967295
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 85-7 MultiPoint

Name	Value
Displayed name	MultiPoint
OSS name	mCast
Type	generic.TruthValue
Mandatory on creation	yes
Tab|Panel	General|General

Table 85-8 Oper Cbs

Name	Value
Displayed name	Oper Cbs
OSS name	operCbs
Type	INT
Minimum	-1
Maximum	16384
Default	0
Units	kbps
Read-only	yes
Tab|Panel	Burst Size|Committed Burst Size

Table 85-9 Oper Mbs

Name	Value
Displayed name	Oper Mbs
OSS name	operMbs
Type	INT
Minimum	-1
Maximum	16384
Default	0
Units	kbps
Read-only	yes
Tab|Panel	Burst Size|Maximum Burst Size

Table 85-10 PIR

Name	Value
Displayed name	PIR
OSS name	pir
Type	INT
Minimum	-1
Maximum	20000000
Default	-1
Units	kbps
Tab|Panel	CIR/PIR|PIR

Table 85-11 PIR Adaptation

Name	Value
Displayed name	PIR Adaptation
OSS name	pirAdaptation
Type	qos.RateAdaptationRule
Default	Closest
Tab|Panel	CIR/PIR|General
Description	Specifies the adaptation rule used to compute the operational PIR value.
Enumerated types	
Closest	
Max	

(1 of 2)

Name	Value
Min	

(2 of 2)

Table 85-12 Rate Mode

Name	Value
Displayed name	Rate Mode
OSS name	rateMode
Type	qos.MeterMode
Default	trTCM (RFC 2698)
Tab|Panel	General|General
Description	Specifies the adaptation rule used to compute the operational PIR value.
Enumerated types	
srTCM	
trTCM	
trTCM (RFC 2698)	
trTCM (RFC 4115)	

86 — MFibEntry

Table 86-1 MFibEntry parameters

Parameters	
Forward or Block	SAP/SDP
Group IP Address	Src IP Address
Group IP Address Type	Src IP Address Type
Group MAC Address	Type
Location	

Table 86-2 Forward or Block

Name	Value
Displayed name	Forward or Block
OSS name	forwardOrBlock
Type	l2fib.MfibGrpSrcFwdOrBlkType
Default	1
Tab|Panel	General|General

Table 86-3 Group IP Address

Name	Value
Displayed name	Group IP Address

(1 of 2)

Name	Value
OSS name	grpAddr
Type	INETADDR
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|General
Description	Only applicable if the entry is IP-based. Can be IPv4 or IPv6 IP address.

(2 of 2)

Table 86-4 Group IP Address Type

Name	Value
Displayed name	Group IP Address Type
OSS name	grpInetAddrType
Type	rtr.InetAddressType
Default	IPv4
Read-only	yes
Tab|Panel	General|General
Description	IP address type of the grpAddr.
Enumerated types	
DNS	
IPv4	
IPv4 Multicast	
IPv4z	
IPv6	
IPv6 Multicast	
IPv6z	
Unknown	

Table 86-5 Group MAC Address

Name	Value
Displayed name	Group MAC Address
OSS name	grpMacAddr
Type	MACADDR
Default	00-00-00-00-00-00
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|General
Description	Only applicable if the entry is MAC-based.

(2 of 2)

Table 86-6 Location

Name	Value
Displayed name	Location
OSS name	locale
Type	l2fib.MFibLocaleType
Default	1
Mandatory on creation	yes
Tab|Panel	General|General

Table 86-7 SAP/SDP

Name	Value
Displayed name	SAP/SDP
OSS name	sapOrSdpDisplayedName
Type	STRING
Tab|Panel	General|General

Table 86-8 Src IP Address

Name	Value
Displayed name	Src IP Address
OSS name	srcAddr
Type	INETADDR
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|General
Description	Can be IPv4 or IPv6 IP address.

Table 86-9 Src IP Address Type

Name	Value
Displayed name	Src IP Address Type
OSS name	srcInetAddrType
Type	rtr.InetAddressType
Default	IPv4
Read-only	yes
Tab|Panel	General|General
Description	IP address type of the srcAddr.
Enumerated types	
DNS	
IPv4	
IPv4 Multicast	
IPv4z	
IPv6	
IPv6 Multicast	
IPv6z	
Unknown	

Table 86-10 Type

Name	Value
Displayed name	Type
OSS name	type
Type	l2fib.MFibEntryType
Default	IP Based
Read-only	yes
Tab|Panel	General|General
Enumerated types	
IP Based Description: Entry used for ip_based multicast, as for IGMP-snooping and PIM-snooping.	
MAC Based Description: Entry used for macBased multicast, as for MLD-snooping and 802.1ak MMRP.	

87 — MIP

Table 87-1 MIP parameters

Parameters	
Associated SAP/SdpBinding	Maintenance Entity Group ID
Direction	Maintenance Entity Group Name
Mac Address	Maintenance Entity Group Name Type
Maintenance Domain ID	MEP ID
Maintenance Domain Level	Operational Mac Address
Maintenance Domain Name	Primary VLAN ID
Maintenance Domain Name Type	Site ID

Table 87-2 Associated SAP/SdpBinding

Name	Value
Displayed name	Associated SAP/SdpBinding
OSS name	association
Type	STRING
Read-only	yes
Tab|Panel	General|mip
Description	Specifies what the MIP is associated with SAP or SdpBinding.

Table 87-3 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	ethernetoam.Direction
Default	Up
Mandatory on creation	yes
Tab|Panel	General|mip
Description	Specifies the direction up or down for the MIP.
Enumerated types	
Down	
Up	

Table 87-4 Mac Address

Name	Value
Displayed name	Mac Address
OSS name	operationalMacAddress
Type	MACADDR
Read-only	yes
Tab|Panel	General|General
Description	Specifies the actual MAC address used by the MP (read only)

Table 87-5 Maintenance Domain ID

Name	Value
Displayed name	Maintenance Domain ID
OSS name	maintDomainId
Type	LONG
Read-only	yes
Tab|Panel	General|mip
Description	The maintenanceDomainId for this MIP

Table 87-6 Maintenance Domain Level

Name	Value
Displayed name	Maintenance Domain Level
OSS name	level
Type	INT
Mandatory on creation	yes
Tab|Panel	General|mip
Description	The MD level associated with MIP

Table 87-7 Maintenance Domain Name

Name	Value
Displayed name	Maintenance Domain Name
OSS name	maintDomainName
Type	STRING
Maximum	43
Read-only	yes
Tab|Panel	General|mip
Description	The MD Name associated with MIP

Table 87-8 Maintenance Domain Name Type

Name	Value
Displayed name	Maintenance Domain Name Type
OSS name	maintDomainNameType
Type	ethernetoam.MaintDomainNameType
Read-only	yes
Tab|Panel	General|mip
Description	The MD Name Type associated with MIP
Enumerated types	
dns	
mac	
none	
string	

Table 87-9 Maintenance Entity Group ID

Name	Value
Displayed name	Maintenance Entity Group ID
OSS name	maintAssocId
Type	LONG
Read-only	yes
Tab|Panel	General|mip
Description	The Maintenance Entity Group ID for this MIP

Table 87-10 Maintenance Entity Group Name

Name	Value
Displayed name	Maintenance Entity Group Name
OSS name	maintAssocName
Type	STRING
Maximum	45
Read-only	yes
Tab|Panel	General|mip
Description	The MEG Name associated with MIP

Table 87-11 Maintenance Entity Group Name Type

Name	Value
Displayed name	Maintenance Entity Group Name Type
OSS name	maintAssocNameType
Type	ethernetoam.MaintAssocNameType
Read-only	yes
Tab|Panel	General|mip
Description	The MEG Name Type associated with MIP
Enumerated types	
icc-based	
integer	
string	
vid	
vpn-id	

Table 87-12 MEP ID

Name	Value
Displayed name	MEP ID
OSS name	id
Type	LONG
Minimum	1
Maximum	8191
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for MP.

Table 87-13 Operational Mac Address

Name	Value
Displayed name	Operational Mac Address
OSS name	macAddress
Type	MACADDR
Read-only	yes
Tab|Panel	General|mip
Description	Specifies the actual MAC address used by the MIP (read only)

Table 87-14 Primary VLAN ID

Name	Value
Displayed name	Primary VLAN ID
OSS name	primaryVlanId
Type	LONG
Default	0
Mandatory on creation	yes
Tab|Panel	General|mip
Description	Specifies the Primary VLAN Id associated with the MEP.

Table 87-15 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|mip
Description	The site ID for this MIP

88 — Mirror Service

Table 88-1 Mirror Service parameters

Parameters	
Administrative State	Number Of Sites
Aggregated Service Site Operational State	Report Customer Name
Automatic SDP Binding Creation	Service ID
Composite ID	Service Name
Composite Service	Service Priority
Contains Dynamically Created Sites	Service Tier
Customer	Service Type
Customer ID	State Cause
Customer Name	SVC Mgr Service ID
Description	Template
Enable Application Performance Reporting	Test Suite Count
Modified for Throughput Test	Transport Type
Number Of IP Detail Addresses	

Table 88-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	mirror.ServiceState
Default	up
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	The administrative state of the service .

(2 of 2)

Table 88-3 Aggregated Service Site Operational State

Name	Value
Displayed name	Aggregated Service Site Operational State
OSS name	aggrOperationalState
Type	mirror.AggrOperState
Default	up
Read-only	yes
Tab|Panel	General|General
Description	The operational status of this service site.

Table 88-4 Automatic SDP Binding Creation

Name	Value
Displayed name	Automatic SDP Binding Creation
OSS name	topologyAutoCompletion
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Whether NMS should automatically create the Spoke SDP bindings. If 'false' the user has to manually create the SDP bindings.

Table 88-5 Composite ID

Name	Value
Displayed name	Composite ID
OSS name	compositeSvcId
Type	LONG
Read-only	yes
Tab|Panel	General|General

Table 88-6 Composite Service

Name	Value
Displayed name	Composite Service
OSS name	compositeSvcPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|General

Table 88-7 Contains Dynamically Created Sites

Name	Value
Displayed name	Contains Dynamically Created Sites
OSS name	containsDynamicSites
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General
Description	Indicates whether this service contains sites created by a dynamic service policy.

Table 88-8 Customer

Name	Value
Displayed name	Customer
OSS name	subscriberPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General

Table 88-9 Customer ID

Name	Value
Displayed name	Customer ID
OSS name	subscriberId
Type	LONG
Default	0

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|General

(2 of 2)

Table 88-10 Customer Name

Name	Value
Displayed name	Customer Name
OSS name	customerName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 88-11 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 88-12 Enable Application Performance Reporting

Name	Value
Displayed name	Enable Application Performance Reporting
OSS name	enableAppPerfReporting
Type	BOOL
Default	false
Tab|Panel	Application Assurance.5670 RAM Parameters.General|General
Description	5670 RAM property to enable Application Performance reporting.

Table 88-13 Modified for Throughput Test

Name	Value
Displayed name	Modified for Throughput Test
OSS name	mfThroughputTest
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General
Description	Indicates whether this service is modified for the service throughput test.

Table 88-14 Number Of IP Detail Addresses

Name	Value
Displayed name	Number Of IP Detail Addresses
OSS name	ipDetailCount
Type	INT
Minimum	0
Maximum	100
Default	10
Tab|Panel	Application Assurance.5670 RAM Parameters.General|General
Description	5670 RAM property for the number of addresses that require IP Detail reporting.

Table 88-15 Number Of Sites

Name	Value
Displayed name	Number Of Sites
OSS name	numberOfSites
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|General

Table 88-16 Report Customer Name

Name	Value
Displayed name	Report Customer Name
OSS name	reportCustName
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	Application Assurance.5670 RAM Parameters.General|General
Description	Customer name to be used for 5670 RAM reports.

Table 88-17 Service ID

Name	Value
Displayed name	Service ID
OSS name	serviceId
Type	LONG
Minimum	1
Maximum	2147483647
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 88-18 Service Name

Name	Value
Displayed name	Service Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	General|General

Table 88-19 Service Priority

Name	Value
Displayed name	Service Priority
OSS name	svcPriority
Type	security.PriorityType
Default	Low
Tab|Panel	General|General
Description	The priority of the service.
Enumerated types	
High	
Low	
Medium	

Table 88-20 Service Tier

Name	Value
Displayed name	Service Tier
OSS name	tier
Type	INT
Minimum	1
Maximum	10
Default	1
Tab|Panel	General|General

Table 88-21 Service Type

Name	Value
Displayed name	Service Type
OSS name	className
Tab|Panel	General|General

Table 88-22 State Cause

Name	Value
Displayed name	State Cause

(1 of 2)

Name	Value
OSS name	operationalFlags
Type	mirror.OperFlags
Read-only	yes
Tab|Panel	General|General
Description	Specifies all the conditions that affect the operating status of this service.

(2 of 2)

Table 88-23 SVC Mgr Service ID

Name	Value
Displayed name	SVC Mgr Service ID
OSS name	id
Type	LONG
Minimum	1
Maximum	1000000999999
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 88-24 Template

Name	Value
Displayed name	Template
OSS name	templatePointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General

Table 88-25 Test Suite Count

Name	Value
Displayed name	Test Suite Count
OSS name	sasTestSuiteCount
Type	INT
Minimum	0
Default	0

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|General

(2 of 2)

Table 88-26 Transport Type

Name	Value
Displayed name	Transport Type
OSS name	transportPreference
Type	netw.CircuitTransport
Default	Any
Tab|Panel	General|Transport
Enumerated types	
Any	
MPLS:BGP	
GRE	
IPv4	
L2TPv3	
MPLS:LDP	
Mixed LSP Mode	
MPLS:RSVP	
MPLS:RSVP or LDP	
MPLS:GRE	
MPLSTP	
None	
PBB	
Q in Q	
Unknown	
VLAN	

89 — Mirror Site

Table 89-1 Mirror Site parameters

Parameters	
Account Session ID	Operational State
Account Session ID (Control)	Profile
Administrative State	Remote Source Capable
Creation Mode	Service ID
Customer ID	Service Name
Customer Name	Site Type
Description	Slice Size
Dynamic Service Policy	Source Administrative State
Enable Port ID Mirroring	Source Type
Encapsulation Type	State Cause
Forwarding Class	SVC Mgr Service ID
Monitor Access Interface Operational State	Switch Name
Name	System ID

Table 89-2 Account Session ID

Name	Value
Displayed name	Account Session ID
OSS name	acctSessionId
Type	STRING
Read-only	yes
Tab|Panel	General|Auto-Creation

Table 89-3 Account Session ID (Control)

Name	Value
Displayed name	Account Session ID (Control)
OSS name	acctSessionIdCtrl
Type	STRING
Read-only	yes
Tab|Panel	General|Auto-Creation

Table 89-4 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	netw.AdministrativeState
Default	Up
Tab|Panel	General|General
Description	The administrative state of the service site.
Enumerated types	
Down	
Up	
Unknown	
Inherit	
Not Operational	
Testing	
N/A	
Noop	

Table 89-5 Creation Mode

Name	Value
Displayed name	Creation Mode
OSS name	creationOrigin
Type	svt.L2RouteOriginType
Default	Manual
Mandatory on creation	yes
Tab|Panel	General|Auto-Creation

(1 of 2)

Name	Value
Description	Indicates the protocol or mechanism which created this site.
Enumerated types	
L2VPN (BGP-AD)	
L2VPN (BGP VPLS)	
BGP VPWS	
Dynamic Service	
External Manager (evpnPmsi)	
Manual	
Multi-Segment PW	
External Manager (nvc)	
RADIUS	
SPB	
VPLS PMSI	

(2 of 2)

Table 89-6 Customer ID

Name	Value
Displayed name	Customer ID
OSS name	subscriberId
Type	LONG
Default	1
Read-only	yes
Tab|Panel	General|Customer

Table 89-7 Customer Name

Name	Value
Displayed name	Customer Name
OSS name	subscriberName
Type	STRING
Maximum	32
Read-only	yes
Tab|Panel	General|Customer

Table 89-8 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 89-9 Dynamic Service Policy

Name	Value
Displayed name	Dynamic Service Policy
OSS name	dynamicServicePolicyPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Auto-Creation
Description	Identifies the Dynamic Service Policy used to create this service.

Table 89-10 Enable Port ID Mirroring

Name	Value
Displayed name	Enable Port ID Mirroring
OSS name	enablePortId
Type	generic.TruthValue
Tab|Panel	Mirroring Configuration|General
Description	Indicates whether the port-id of the system is to be included in the mirrored packets. Applies only when encapsulationType is set to PPP.

Table 89-11 Encapsulation Type

Name	Value
Displayed name	Encapsulation Type
OSS name	encapsulationType
Type	mirror.EncapsulationType
Default	Ethernet

(1 of 2)

Name	Value
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
ATM SDU	
CESoPSN	
CESoPSN-CAS	
Ethernet	
Frame Relay	
IP Only	
PPP	
SAToP E1	
SAToP E3	
SAToP T1	
SAToP T3	

(2 of 2)

Table 89-12 Forwarding Class

Name	Value
Displayed name	Forwarding Class
OSS name	forwardingClass
Type	qos.FcEnum
Tab|Panel	Mirroring Configuration|General

Table 89-13 Monitor Access Interface Operational State

Name	Value
Displayed name	Monitor Access Interface Operational State
OSS name	monitorAccessInterfaceOper
Type	BOOL
Default	false
Tab|Panel	General|General

Table 89-14 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	64
Tab|Panel	General|General
Description	Specifies the Name of the Service Site. It cannot be set to only spaces. Setting to "", "N/A" , or "n/a" after creation, will clear Site Name from the node and SAM GUI will display "N/A".

Table 89-15 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	netw.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Description	The operational status of this service site.
Enumerated types	
Down	
Failed	
Initializing	
Up	
Not Present	
Disabled	
Transition	
Unknown	
Blocking	
MTU Mismatch	
No Egress Label	
No Ingress Label	
No Labels	
Tunnel Down	
Tunnel MTU Too Small	

(1 of 2)

Name	Value
Tunnel Not Ready	
Indeterminate	
Filtering	
Forwarding	
Dormant	
Lower Layer Down	
Testing	
N/A	
Backup Designated Router	
Designated Router	
Loopback	
Other Designated Router	
Point-to-Point	
Waiting	
attempt	
down	
exchange	
exchange started	
full	
init	
loading	
two way	
Admin Down	
Egress QoS Mismatch	
IES Interface Admin Down	
Ingress QoS Mismatch	
Invalid Egress Interface	
Not Alive	
Not Ready	
Transport Tunnel Down	
Port MTU Too Small	

(2 of 2)

Table 89-16 Profile

Name	Value
Displayed name	Profile

(1 of 2)

Name	Value
OSS name	fcProfile
Type	qos.Profile
Tab|Panel	Mirroring Configuration|General
Description	Specifies whether packets in a given forwarding class are considered in-profile or out-of-profile. In-profile packets have a higher transmission priority than out-of-profile packets.

(2 of 2)

Table 89-17 Remote Source Capable

Name	Value
Displayed name	Remote Source Capable
OSS name	remoteSourceCapable
Type	generic.TruthValue
Tab|Panel	Mirroring Configuration|General
Description	Specifies whether the sources of the mirrored packets can be on remote sites. If you set this parameter to false, remote source access is not allowed to the mirror destination.

Table 89-18 Service ID

Name	Value
Displayed name	Service ID
OSS name	serviceId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Service

Table 89-19 Service Name

Name	Value
Displayed name	Service Name
OSS name	serviceName
Type	STRING
Maximum	64
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|Service

(2 of 2)

Table 89-20 Site Type

Name	Value
Displayed name	Site Type
OSS name	mirrorSiteType
Type	mirror.MirrorSiteType
Default	Source
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
Destination	
Source	
Unknown	

Table 89-21 Slice Size

Name	Value
Displayed name	Slice Size
OSS name	sliceSize
Type	LONG
Minimum	0
Maximum	9216
Default	0
Tab|Panel	Mirroring Configuration|General

Table 89-22 Source Administrative State

Name	Value
Displayed name	Source Administrative State
OSS name	sourceAdministrativeState
Type	mirror.SourceAdministrativeState
Default	Unspecified
Tab|Panel	Mirroring Configuration|General

(1 of 2)

Name	Value
Enumerated types	
Down	
Up	
Unspecified	

(2 of 2)

Table 89-23 Source Type

Name	Value
Displayed name	Source Type
OSS name	mirrorSourceType
Type	mirror.MirrorSourceType
Default	Local
Tab|Panel	General|General
Description	Specifies if the mirror services support local mirror sources, remote mirror sources or both
Enumerated types	
Both	
Local	
Remote	

Table 89-24 State Cause

Name	Value
Displayed name	State Cause
OSS name	operationalFlags
Type	mirror.SiteOperFlags
Read-only	yes
Tab|Panel	General|General
Description	Specifies all the conditions that affect the operating status of this service.

Table 89-25 SVC Mgr Service ID

Name	Value
Displayed name	SVC Mgr Service ID
OSS name	svcComponentId

(1 of 2)

Name	Value
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Service

(2 of 2)

Table 89-26 Switch Name

Name	Value
Displayed name	Switch Name
OSS name	ethernetSwitchCardPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Network Element
Description	On 1830 PSS nodes, new cards like 11QPE24 supports E-LAN (VPLS) and later E-Line (VLL); other cards will follow. All of these cards support the SR-OS object model and behave similar to 7210 nodes. This object represents a service object on a given a site and card. This attribute is a pointer to the card model object.

Table 89-27 System ID

Name	Value
Displayed name	System ID
OSS name	siteId
Type	INETADDR
Default	0.0.0.0
Mandatory on creation	yes
Tab|Panel	General|Network Element

90 — Multipoint Service Path

Table 90-1 Multipoint Service Path parameters

Parameters	
ID Service Component ID	Service Path Mode

Table 90-2 ID

Name	Value
Displayed name	ID
OSS name	connId
Type	LONG
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	Unique id for the Connection.

Table 90-3 Service Component ID

Name	Value
Displayed name	Service Component ID

(1 of 2)

Name	Value
OSS name	svcComponentId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General
Description	The id of the transport service to which this service path is associated with.

(2 of 2)

Table 90-4 Service Path Mode

Name	Value
Displayed name	Service Path Mode
OSS name	protectionState
Type	optical.ProtectionState
Mandatory on creation	yes
Tab|Panel	General|General
Description	The protection state of the connection.
Enumerated types	
Unprotected	
Protection	
Working	

91 — Multipoint Transport Service

Table 91-1 Multipoint Transport Service parameters

Parameters	
Administrative State	Is SubGige Service QinQ
Administrative State	Is SVLAN Push-Pop/Keep Capable QinQ Service
Aggregated Service Site Operational State	Is Untagged Traffic Supported
APS Direction	Managed
A to Z	Modified for Throughput Test
CE-VLANID	Number Of IP Detail Addresses
CE-VLANID - AZ	Number Of Sites
CE-VLANID - ZA	Operational State
Committed Burst Size - AZ (Kbytes)	Path Preference
Committed Burst Size - ZA (Kbytes)	Path Search Option
Committed Info Rate - AZ (Mbps)	Peak Burst Size - AZ (Kbytes)
Committed Info Rate - ZA (Mbps)	Peak Burst Size - ZA (Kbytes)
Composite ID	Peak Info Rate - AZ (Mbps)
Composite Service	Peak Info Rate - ZA (Mbps)
Contains Dynamically Created Sites	Protection Level
Customer	Protection Path Service
Customer ID	Protection Type
Customer Name	QinQ Service Stack-VLAN Tagging Configuration
Description	Rate
Direction	Report Customer Name
Enable Application Performance Reporting	Revert Mode
Force Create OCh XC	Service ID
Inconsistency	Service Name
Inconsistent	Service Priority
Is SubGige Full Rate Service	Service Tier

(1 of 2)

91 — Multipoint Transport Service

Parameters	
Service Type	Test Suite Count
Service Type	Use Existing Unprotected Services
Stack-VLANID - AZ	Wait To Restore
Stack-VLANID - ZA	Wave Key Assign Mode
State Cause	Working Path Service
SVC Mgr Service ID	Z to A
Template	

(2 of 2)

Table 91-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	optical.ServiceState
Default	up
Mandatory on creation	yes
Tab|Panel	General|General
Description	The administrative state of the service .

Table 91-3 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	optical.ServiceState
Default	up
Mandatory on creation	yes
Tab|Panel	General|States
Description	The administrative state of the service .

Table 91-4 Aggregated Service Site Operational State

Name	Value
Displayed name	Aggregated Service Site Operational State
OSS name	aggrOperationalState
Type	optical.AggrOperState

(1 of 2)

Name	Value
Default	up
Read-only	yes
Tab|Panel	General|General
Description	The operational status of this service site.

(2 of 2)

Table 91-5 APS Direction

Name	Value
Displayed name	APS Direction
OSS name	apsDirection
Type	optical.ApsDirection
Default	Unidirectional
Tab|Panel	General|APS Group
Description	Duplicated from ApsGroup. Applicable only for y-cable protected service in creation mode.
Enumerated types	
Bidirectional	
Unidirectional	

Table 91-6 A to Z

Name	Value
Displayed name	A to Z
OSS name	activePathAZ
Type	optical.TransportServiceMode
Tab|Panel	General|Active Path
Description	Indicates which service path is the active one in the AZ direction.
Enumerated types	
Protection	
Unprotected	
Working	

Table 91-7 CE-VLANID

Name	Value
Displayed name	CE-VLANID
OSS name	vtsMapCEVLANID
Type	STRING
Tab|Panel	General|VLAN Configuration Details
Description	Represents the CE VLANID of the vts map

Table 91-8 CE-VLANID - AZ

Name	Value
Displayed name	CE-VLANID - AZ
OSS name	vtsMapIngressCEVLANID
Type	STRING
Tab|Panel	General|VLAN Configuration Details
Description	Represents the ingress CE VLANID of the vts map

Table 91-9 CE-VLANID - ZA

Name	Value
Displayed name	CE-VLANID - ZA
OSS name	vtsMapEgressCEVLANID
Type	STRING
Tab|Panel	General|VLAN Configuration Details
Description	Represents the egress CE VLANID of the vts map

Table 91-10 Committed Burst Size - AZ (Kbytes)

Name	Value
Displayed name	Committed Burst Size - AZ (Kbytes)
OSS name	vtsCommittedBurstRate
Type	optical.CbsAndEbsRate
Default	256
Tab|Panel	General|VLAN Configuration Details
Description	Represents the minimum committed burst rate that the service supports on the AZ direction

(1 of 2)

Name	Value
Enumerated types	
1024	
128	
16	
16384	
2048	
256	
32	
4096	
512	
64	
8192	

(2 of 2)

Table 91-11 Committed Burst Size - ZA (Kbytes)

Name	Value
Displayed name	Committed Burst Size - ZA (Kbytes)
OSS name	vtsCommittedBurstRateZA
Type	optical.CbsAndEbsRate
Default	256
Tab|Panel	General|VLAN Configuration Details
Description	Represents the minimum committed burst rate that the service supports on the ZA direction
Enumerated types	
1024	
128	
16	
16384	
2048	
256	
32	
4096	
512	
64	
8192	

Table 91-12 Committed Info Rate - AZ (Mbps)

Name	Value
Displayed name	Committed Info Rate - AZ (Mbps)
OSS name	vtsCommittedInfoRate
Type	optical.CirAndEirRate
Default	100
Tab|Panel	General|VLAN Configuration Details
Description	Represents the minimum committed information rate that the service supports on the AZ direction
Enumerated types	
0	
1	
10	
100	
1000	
10000	
15	
150	
1500	
2	
20	
200	
2000	
25	
250	
2500	
3	
30	
300	
3000	
35	
350	
3500	
4	
40	
400	
4000	
45	

(1 of 2)

Name	Value
450	
4500	
5	
50	
500	
5000	
55	
550	
5500	
6	
60	
600	
6000	
65	
650	
6500	
7	
70	
700	
7000	
75	
750	
7500	
8	
80	
800	
8000	
85	
850	
8500	
9	
90	
900	
9000	
95	
950	
9500	

(2 of 2)

Table 91-13 Committed Info Rate - ZA (Mbps)

Name	Value
Displayed name	Committed Info Rate - ZA (Mbps)
OSS name	vtsCommittedInfoRateZA
Type	optical.CirAndEirRate
Default	100
Tab|Panel	General|VLAN Configuration Details
Description	Represents the minimim committed information rate that the service supports on the ZA direction
Enumerated types	
0	
1	
10	
100	
1000	
10000	
15	
150	
1500	
2	
20	
200	
2000	
25	
250	
2500	
3	
30	
300	
3000	
35	
350	
3500	
4	
40	
400	
4000	
45	

(1 of 2)

Name	Value
450	
4500	
5	
50	
500	
5000	
55	
550	
5500	
6	
60	
600	
6000	
65	
650	
6500	
7	
70	
700	
7000	
75	
750	
7500	
8	
80	
800	
8000	
85	
850	
8500	
9	
90	
900	
9000	
95	
950	
9500	

(2 of 2)

Table 91-14 Composite ID

Name	Value
Displayed name	Composite ID
OSS name	compositeSvcId
Type	LONG
Read-only	yes
Tab|Panel	General|General

Table 91-15 Composite Service

Name	Value
Displayed name	Composite Service
OSS name	compositeSvcPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|General

Table 91-16 Contains Dynamically Created Sites

Name	Value
Displayed name	Contains Dynamically Created Sites
OSS name	containsDynamicSites
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General
Description	Indicates whether this service contains sites created by a dynamic service policy.

Table 91-17 Customer

Name	Value
Displayed name	Customer
OSS name	subscriberPointer
Type	POINTER
Mandatory on creation	yes

(1 of 2)

Name	Value
Tab|Panel	General|General

(2 of 2)

Table 91-18 Customer ID

Name	Value
Displayed name	Customer ID
OSS name	subscriberId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General

Table 91-19 Customer Name

Name	Value
Displayed name	Customer Name
OSS name	customerName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 91-20 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 91-21 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	optical.ServiceDirection
Default	Bidirectional
Tab|Panel	General|General
Description	Indicates if the service is Uni or Bi Directional.
Enumerated types	
Bidirectional	
Unidirectional	

Table 91-22 Enable Application Performance Reporting

Name	Value
Displayed name	Enable Application Performance Reporting
OSS name	enableAppPerfReporting
Type	BOOL
Default	false
Tab|Panel	Application Assurance.5670 RAM Parameters.General|General
Description	5670 RAM property to enable Application Performance reporting.

Table 91-23 Force Create OCh XC

Name	Value
Displayed name	Force Create OCh XC
OSS name	forceXcCreate
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Indicates whether the OCH xc should be created by force when power commisioning provisioning state is "InProgress

Table 91-24 Inconsistency

Name	Value
Displayed name	Inconsistency
OSS name	discrepancy
Type	STRING
Tab|Panel	General|General
Description	Discrepancy.

Table 91-25 Inconsistent

Name	Value
Displayed name	Inconsistent
OSS name	discrepancyFlag
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Discrepancy Flag.

Table 91-26 Is SubGige Full Rate Service

Name	Value
Displayed name	Is SubGige Full Rate Service
OSS name	isQinQFullRateService
Type	BOOL
Default	false
Tab|Panel	General|VLAN Configuration Details
Description	Specifies whether the transport service is QinQ Service with Port Mode [Indicate if the service to be created is a Full Rate Service under subgige rate for QinQ mode]

Table 91-27 Is SubGige Service QinQ

Name	Value
Displayed name	Is SubGige Service QinQ
OSS name	isQinQService
Type	BOOL
Default	false

(1 of 2)

Name	Value
Tab|Panel	General|VLAN Configuration Details
Description	Indicate if the service to be created is a qinq service under subgige rate

(2 of 2)

Table 91-28 Is SVLAN Push-Pop/Keep Capable QinQ Service

Name	Value
Displayed name	Is SVLAN Push-Pop/Keep Capable QinQ Service
OSS name	isApplicableSVLANPushPop
Type	BOOL
Default	false
Tab|Panel	General|VLAN Configuration Details
Description	Indicates if SVLAN ID Push Pop Keep feature is applicable for this SubGige QinQ Service

Table 91-29 Is Untagged Traffic Supported

Name	Value
Displayed name	Is Untagged Traffic Supported
OSS name	isUntaggedTrafficSupported
Type	BOOL
Default	false
Tab|Panel	General|VLAN Configuration Details
Description	If Untagged Traffic Supported.Specifies whether the transport service is carrying untagged traffic.

Table 91-30 Managed

Name	Value
Displayed name	Managed
OSS name	isServicePathCreated
Type	BOOL
Default	false
Tab|Panel	General|General
Description	If true, sites cannot be modified, only 'complete service' can be done.

Table 91-31 Modified for Throughput Test

Name	Value
Displayed name	Modified for Throughput Test
OSS name	mfThroughputTest
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General
Description	Indicates whether this service is modified for the service throughput test.

Table 91-32 Number Of IP Detail Addresses

Name	Value
Displayed name	Number Of IP Detail Addresses
OSS name	ipDetailCount
Type	INT
Minimum	0
Maximum	100
Default	10
Tab|Panel	Application Assurance.5670 RAM Parameters.General|General
Description	5670 RAM property for the number of addresses that require IP Detail reporting.

Table 91-33 Number Of Sites

Name	Value
Displayed name	Number Of Sites
OSS name	numberOfSites
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|General

Table 91-34 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	equipment.OperationalState
Default	Down
Tab|Panel	General|States
Description	Operational State is built depending on the OT port oper states and XC oper state of Working Path.
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	
Provisioned	
Reserved	
Reset Pending	
Shutting Down	
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

Table 91-35 Path Preference

Name	Value
Displayed name	Path Preference
OSS name	modifyProtectionPreference
Type	optical.ModifyProtectionPreference
Default	None
Tab|Panel	General|General
Description	Indicates whether the working path or the protection path needs to be retained when Service protection is modified to unprotected
Enumerated types	
None	
Retain Protection Path	
Retain Working Path	

Table 91-36 Path Search Option

Name	Value
Displayed name	Path Search Option
OSS name	pathSearchOption
Type	optical.PathSearchType
Default	System Defined
Tab|Panel	General|General
Description	Specifies if routing path should be Auto-picked/Manual for 32s switching sites. In case of Manual routing, constraint is mandatory for each of the 32s switching site.
Enumerated types	
System Defined	
User Defined	

Table 91-37 Peak Burst Size - AZ (Kbytes)

Name	Value
Displayed name	Peak Burst Size - AZ (Kbytes)
OSS name	vtsExcessBurstRate
Type	optical.CbsAndEbsRate
Default	4096
Tab|Panel	General|VLAN Configuration Details

(1 of 2)

Name	Value
Description	Represents the minimim excess burst rate that the service supports on the AZ direction
Enumerated types	
1024	
128	
16	
16384	
2048	
256	
32	
4096	
512	
64	
8192	

(2 of 2)

Table 91-38 Peak Burst Size - ZA (Kbytes)

Name	Value
Displayed name	Peak Burst Size - ZA (Kbytes)
OSS name	vtsExcessBurstRateZA
Type	optical.CbsAndEbsRate
Default	4096
Tab|Panel	General|VLAN Configuration Details
Description	Represents the minimum excess burst rate that the service supports on the ZA direction
Enumerated types	
1024	
128	
16	
16384	
2048	
256	
32	
4096	
512	
64	
8192	

Table 91-39 Peak Info Rate - AZ (Mbps)

Name	Value
Displayed name	Peak Info Rate - AZ (Mbps)
OSS name	vtsExcessInfoRate
Type	optical.CirAndEirRate
Default	100
Tab|Panel	General|VLAN Configuration Details
Description	Represents the minimum excess information rate that the service supports on the AZ direction
Enumerated types	
0	
1	
10	
100	
1000	
10000	
15	
150	
1500	
2	
20	
200	
2000	
25	
250	
2500	
3	
30	
300	
3000	
35	
350	
3500	
4	
40	
400	
4000	
45	

(1 of 2)

Name	Value
450	
4500	
5	
50	
500	
5000	
55	
550	
5500	
6	
60	
600	
6000	
65	
650	
6500	
7	
70	
700	
7000	
75	
750	
7500	
8	
80	
800	
8000	
85	
850	
8500	
9	
90	
900	
9000	
95	
950	
9500	

(2 of 2)

Table 91-40 Peak Info Rate - ZA (Mbps)

Name	Value
Displayed name	Peak Info Rate - ZA (Mbps)
OSS name	vtsExcessInfoRateZA
Type	optical.CirAndEirRate
Default	100
Tab|Panel	General|VLAN Configuration Details
Description	Represents the minimum excess information rate that the service supports on the ZA direction
Enumerated types	
0	
1	
10	
100	
1000	
10000	
15	
150	
1500	
2	
20	
200	
2000	
25	
250	
2500	
3	
30	
300	
3000	
35	
350	
3500	
4	
40	
400	
4000	
45	

(1 of 2)

Name	Value
450	
4500	
5	
50	
500	
5000	
55	
550	
5500	
6	
60	
600	
6000	
65	
650	
6500	
7	
70	
700	
7000	
75	
750	
7500	
8	
80	
800	
8000	
85	
850	
8500	
9	
90	
900	
9000	
95	
950	
9500	

(2 of 2)

Table 91-41 Protection Level

Name	Value
Displayed name	Protection Level
OSS name	protectionLevel
Type	optical.ProtectionLevel
Default	Unprotected
Mandatory on creation	yes
Tab|Panel	General|General
Description	The calculated protection based on the underlying server otn layers.
Enumerated types	
Protected	
Segment Protected	
Unprotected	

Table 91-42 Protection Path Service

Name	Value
Displayed name	Protection Path Service
OSS name	diverseProtectionService
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Diverse Route Details
Description	Needs to be set , while creating a diverse routed service, using two existing unprotected services.

Table 91-43 Protection Type

Name	Value
Displayed name	Protection Type
OSS name	protection
Type	optical.ProtectionType
Default	Unprotected
Tab|Panel	General|General
Description	Protection Type of the Service
Enumerated types	
Diverse Route	

(1 of 2)

Name	Value
ESNCP Protected	
OPS Protected	
Segment Protected	
Unprotected	
Y-Cable Protected	

(2 of 2)

Table 91-44 QinQ Service Stack-VLAN Tagging Configuration

Name	Value
Displayed name	QinQ Service Stack-VLAN Tagging Configuration
OSS name	svlanTaggingConfiguration
Type	optical.SVLANTaggingConfiguration
Default	Push-Pop
Tab|Panel	General|VLAN Configuration Details
Description	Indicates QinQ Service Stack-VLAN Tagging Configuration. Specifies the type of Stack-VLAN configuration : Push-Pop or Keep.
Enumerated types	
Push-Pop	

Table 91-45 Rate

Name	Value
Displayed name	Rate
OSS name	rate
Type	optical.AssignedRate
Default	unspecified
Tab|Panel	General|General
Description	Service Rate - Indicates the rate of the termination points.
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	

(1 of 3)

Name	Value
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	

(2 of 3)

Name	Value
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 91-46 Report Customer Name

Name	Value
Displayed name	Report Customer Name
OSS name	reportCustName
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	Application Assurance.5670 RAM Parameters.General|General
Description	Customer name to be used for 5670 RAM reports.

Table 91-47 Revert Mode

Name	Value
Displayed name	Revert Mode
OSS name	revertMode
Type	optical.ApsRevertMode
Default	Non Revertive
Tab|Panel	General|APS Group
Description	Duplicated from ApsGroup. Applicable only for y-cable protected service in creation mode. Specifies the Reversion mode of the Transport Service.
Enumerated types	
Non Revertive	
Revertive	

Table 91-48 Service ID

Name	Value
Displayed name	Service ID
OSS name	serviceId
Type	LONG
Minimum	1
Maximum	2147483647
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 91-49 Service Name

Name	Value
Displayed name	Service Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	General|General

Table 91-50 Service Priority

Name	Value
Displayed name	Service Priority
OSS name	svcPriority
Type	security.PriorityType
Default	Low
Tab|Panel	General|General
Description	The priority of the service.
Enumerated types	
High	
Low	
Medium	

Table 91-51 Service Tier

Name	Value
Displayed name	Service Tier
OSS name	tier
Type	INT
Minimum	1
Maximum	10
Default	1
Tab|Panel	General|General

Table 91-52 Service Type

Name	Value
Displayed name	Service Type
OSS name	className
Tab|Panel	General|General

Table 91-53 Service Type

Name	Value
Displayed name	Service Type

(1 of 2)

Name	Value
OSS name	svcType
Type	optical.ServiceType
Default	unspecified
Tab|Panel	General|General
Description	Service type - Indicates the type of optical transport service, e.g. Multicast, Drop and Continue.
Enumerated types	
Drop and Continue	
Multicast	

(2 of 2)

Table 91-54 Stack-VLANID - AZ

Name	Value
Displayed name	Stack-VLANID - AZ
OSS name	vtsMapEgressSVLANID
Type	LONG
Minimum	1
Maximum	4095
Default	10
Tab|Panel	General|VLAN Configuration Details
Description	Represents the egress S VLANID of the vts map in qinq mode

Table 91-55 Stack-VLANID - ZA

Name	Value
Displayed name	Stack-VLANID - ZA
OSS name	vtsMapIngressSVLANID
Type	LONG
Minimum	1
Maximum	4095
Default	10
Tab|Panel	General|VLAN Configuration Details
Description	Represents the ingress S VLANID of the vts map in qinq mode

Table 91-56 State Cause

Name	Value
Displayed name	State Cause
OSS name	operationalFlags
Type	optical.OperFlags
Read-only	yes
Tab|Panel	General|General
Description	Specifies all the conditions that affect the operating status of this service.

Table 91-57 SVC Mgr Service ID

Name	Value
Displayed name	SVC Mgr Service ID
OSS name	id
Type	LONG
Minimum	1
Maximum	1000000999999
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 91-58 Template

Name	Value
Displayed name	Template
OSS name	templatePointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General

Table 91-59 Test Suite Count

Name	Value
Displayed name	Test Suite Count
OSS name	sasTestSuiteCount

(1 of 2)

Name	Value
Type	INT
Minimum	0
Default	0
Read-only	yes
Tab|Panel	General|General

(2 of 2)

Table 91-60 Use Existing Unprotected Services

Name	Value
Displayed name	Use Existing Unprotected Services
OSS name	isCreateDiverseFromExisting
Type	BOOL
Default	false
Tab|Panel	General|Diverse Route Details
Description	Set to 'true', while creating a diverse routed service, using two existing unprotected services.

Table 91-61 Wait To Restore

Name	Value
Displayed name	Wait To Restore
OSS name	waitToRestore
Type	INT
Minimum	1
Maximum	20
Default	5
Units	minutes
Tab|Panel	General|APS Group
Description	Duplicated from ApsGroup. Applicable only for y-cable protected service in creation/edit mode.

Table 91-62 Wave Key Assign Mode

Name	Value
Displayed name	Wave Key Assign Mode
OSS name	wavekeyAssignMode

(1 of 2)

91 — Multipoint Transport Service

Name	Value
Type	optical.WavekeySelect
Default	Auto Keying (NE)
Tab|Panel	General|General
Description	Indicates the wavekey generation mode for the service.
Enumerated types	
Auto Keying (NE)	
Auto Keying (NMS)	
Unkeyed	

(2 of 2)

Table 91-63 Working Path Service

Name	Value
Displayed name	Working Path Service
OSS name	diverseWorkingService
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Diverse Route Details
Description	Needs to be set , while creating a diverse routed service, using two existing unprotected services.

Table 91-64 Z to A

Name	Value
Displayed name	Z to A
OSS name	activePathZA
Type	optical.TransportServiceMode
Tab|Panel	General|Active Path
Description	Indicates which service path is the active one in the ZA direction.
Enumerated types	
Protection	
Unprotected	
Working	

92 — NE Ethernet CFM Configuration

Table 92-1 NE Ethernet CFM Configuration parameters

Parameters	
Fault Management Mode	MEP ID
Grace Period TX	Sender ID Name
Grace Period TX Enabled	Sender ID Type
MC LAG Prop Hold Time	SLM Inactivity Timer
MC LAG Standby Inactive	

Table 92-2 Fault Management Mode

Name	Value
Displayed name	Fault Management Mode
OSS name	faultMode
Type	ethernetoam.EthernetOAMFaultMode
Default	IEEE
Tab|Panel	General|Ethernet OAM Fault Management
Description	The Ethernet OAM fault management compliancy of the card. Current configurable modes: ieee: IEEE 802.1ag compliant itu: ITU-T G.8021 compliant
Enumerated types	
IEEE	
ITU	

Table 92-3 Grace Period TX

Name	Value
Displayed name	Grace Period TX
OSS name	gracePeriodTx
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|GracePeriod
Description	The value of tmnxDot1agCfmGracePeriod indicates whether or not some portion of the locally configured ETH-CFM MEPs are transmitting grace period notifications to their peers. A value of 'true' indicates that a grace period is being transmitted, a value of 'false' indicates no grace period information is being sent. Only admin up and ccm-enabled local MEPs in an association with a ccm-interval of 1 second or faster are eligible to transmit grace period information in the CCM PDUs. Grace period information is also transmitted in AIS PDUs if they have a 1 second period.

Table 92-4 Grace Period TX Enabled

Name	Value
Displayed name	Grace Period TX Enabled
OSS name	graceTxEnable
Type	BOOL
Default	true
Tab|Panel	General|GracePeriod
Description	The value of tmnxDot1agCfmGraceTxEnable specifies whether or not grace period notifications will be sent to the ETH-CFM remote MEP peers. The value 'true' enables grace period notifications, and the value 'false' suppresses the notifications. During an outage, the modification of this object from 'true' to 'false' will cause an immediate clear of all grace period notifications, after which no further notifications will be sent. A modification of this object from 'false' to 'true' will not enable the transmission of grace period for any outages currently in progress but will take effect for subsequent outages.

Table 92-5 MC LAG Prop Hold Time

Name	Value
Displayed name	MC LAG Prop Hold Time
OSS name	mcLagPropHoldTime
Type	LONG
Minimum	0
Maximum	60
Default	1

(1 of 2)

Name	Value
Units	seconds
Tab|Panel	General|mclag
Description	The value of tmnxDot1agCfmMcLagPropHoldTime specifies the duration, in seconds, of a timer that is activated when an MC-LAG port or protocol changes state. While the timer is active, no fault set or clear is propagated to the MC-LAG SAP's CFM MEP. The outstanding hold time can be monitored by polling the value of sapEthCfmMcLagPropHoldTimeRemain for a particular SAP. When set to the value zero (0), no delay in response to a port or protocol change will be observed. This object is meaningful only when tmnxDot1agCfmMcLagStdbyInactive is set to the value 'enabled (1)', otherwise an SNMP Set operation will result in an inconsistentValue error and the result of an SNMP Get operation will be undefined.

(2 of 2)

Table 92-6 MC LAG Standby Inactive

Name	Value
Displayed name	MC LAG Standby Inactive
OSS name	mcLagStdbyInactive
Type	BOOL
Default	false
Tab|Panel	General|mclag
Description	The value of McLagStdbyInactive specifies whether or not ETH-CFM MEPs configured on Multi-Chassis LAG ports are aware of MC-LAG port active/standby states. When this object is 'true (1)', MEPs configured on a Multi-Chassis LAG port will act as if they are administratively shutdown if running on a standby port, and will only be operational on an active MC-LAG port. When this object is 'false (2)', MEPs configured on a Multi-Chassis LAG port will operate regardless of the MC-LAG port active and standby states.

Table 92-7 MEP ID

Name	Value
Displayed name	MEP ID
OSS name	id
Type	LONG
Minimum	0
Maximum	8191
Default	0
Tab|Panel	General|General
Description	The MEP Id will be used when auto MEP Id generation is used. The user will be able to choose a unique starting MEP Id for each NE managed by SAM, that supports MEPs. When a MEP is created on an NE with Mep Id configured, then the configured MEP Id will be used If that MEP Id is already used by the NE, then the next available MEP Id will be used.

Table 92-8 Sender ID Name

Name	Value
Displayed name	Sender ID Name
OSS name	senderIdName
Type	STRING
Maximum	45
Tab|Panel	General|SenderId
Description	The value of tmnxDot1agCfmSenderIdName specifies the locally defined sender-id name that is inserted in all CFM transmitted PDUs. The value of this object is only meaningful if the value of tmnxDot1agCfmSenderIdType is set to the value 'local (2)'. Otherwise the value of this object MUST be the empty string. The value of this object MUST be set to a non-empty string in the same SNMP PDU as the modification of tmnxDot1agCfmSenderIdType when the type is assigned to the value 'local (2)'. Modification of the type away from 'local (2)' will automatically reset the value to its default value.

Table 92-9 Sender ID Type

Name	Value
Displayed name	Sender ID Type
OSS name	senderIdType
Type	ethernetoam.Dot1agCfmSenderIdTypeEnum
Default	System
Tab|Panel	General|SenderId
Description	The value of tmnxDot1agCfmSenderIdType specifies the type of sender identification that is transmitted in CFM PDUs generated from this system. The value of 'none (0)' indicates that there is no sender-id information transmitted in the PDUs. 'system (1)' indicates that the system's name (TIMETRA-CHASSIS-MIB::tmnxChassisName) is inserted in transmitted PDUs, while 'local (2)' indicates that the value as defined in tmnxDot1agCfmSenderIdName is transmitted.
Enumerated types	
Local	
System	

Table 92-10 SLM Inactivity Timer

Name	Value
Displayed name	SLM Inactivity Timer
OSS name	inactivityTimer
Type	LONG
Minimum	10

(1 of 2)

Name	Value
Maximum	100
Default	100
Units	seconds
Tab|Panel	General|General
Description	The value of inactivityTimer specifies the duration, in seconds, that the system will maintain Synthetic Loss Measurement (SLM) reply (SLR) data for individual two-way tests in the absence of receiving SLM frames. The system may be blocked in responding to new two-way SLM tests due to an excessive inactive timer duration. In this case, reducing this object's value, thus reducing the retention time for existing latent SLR test data, will help free test resources allowing the system to respond to new two-way SLM tests.

(2 of 2)

93 — NE Maintenance Entity Group

Table 93-1 NE Maintenance Entity Group parameters

Parameters	
Card/RMD	Maintenance Entity Group ID
Card Subtype	Maintenance Entity Group Name
CCM Interval	Maintenance Entity Group Name Type
CFM Hold Down Timer	Number Of MEPs
Enable Auto Remote MEP Discovery	Service ID
Facility ID-Permission	Site
Global MEG	Test Suite Count
Maintenance Domain ID	Unicast Hub MEP
Maintenance Domain Level	VLAN ID

Table 93-2 Card/RMD

Name	Value
Displayed name	Card/RMD
OSS name	ethernetSwitchCardPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|general
Description	The name of this property is misleading. It can either be referencing a Cardslot or an CFM capable remotely managed device (RMD).

Table 93-3 Card Subtype

Name	Value
Displayed name	Card Subtype
OSS name	assignedCardSubType
Type	equipment.CardSubType
Read-only	yes
Tab|Panel	General|general
Description	The type of the Card provisioned on the applicable nodes.
Enumerated types	
Occupied by other Card	
112PDM11	
112SA1L	
112SCA1-100GEth	
112SCA1-OTU4	
112SCX10	
112SNA1-100GEth	
112SNA1-OTU4	
112SNX10	
112SX10L	
11DPE12A	
11DPE12E	
11DPE12	
11DPM12	
11OPE8	
11QCE12X	
11QPA4	
11QPE24	
11QPEN4	
11STAR1A	
11STAR1	
11STGE12	
11STMM10	
130SCX10	
1DPP24M-Master	
1DPP24M-Slave	
43SCA1-OTU3	
43SCA1-SONET/SDH	

(1 of 4)

Name	Value
43SCGE1	
43SCX4	
43SCX4E	
43STA1P	
43STX4	
43STX4P	
4DPA2	
4DPA4 FlexMux	
4DPA4 DualTran	
4QPA8	
A2325A	
A2P2125	
AHPHG	
AHPLG	
ALPFGK	
ALPFGT	
ALPHG	
AM2017B	
AM2125A	
AM2125B	
AM2318A	
AM2325B	
BTC	
10AN10G	
24ANM	
CWR8-88	
CWR8	
DCM	
HKPCNTL	
EC	
Fan Unit	
FLC	
10ET10G	
24ET1GB	
4AN10G	
8ET1GB	
ITLB	

(2 of 4)

Name	Value
ITLU	
MT0C	
MESH4	
MVAC8B	
MVAC	
OPSA	
OPSB	
OSC	
OSCT	
PF	
PTPCTL	
PTPIO	
RA2P	
SFC1A	
SFC1B	
SFC1C	
SFC1D	
SFC1E	
SFC1F	
SFC1G	
SFC1H	
SFC2A	
SFC2B	
SFC2C	
SFC2D	
SFC4A	
SFC4B	
SFC8	
SFD40B	
SFD40	
SFD44B	
SFD44	
SFD4A	
SFD4B	
SFD4C	
SFD4D	
SFD4E	

(3 of 4)

Name	Value
SFD4F	
SFD4G	
SFD4H	
SFD5A	
SFD5B	
SFD5C	
SFD5D	
SFD5E	
SFD5F	
SFD5G	
SFD5H	
SFD8A	
SFD8B	
SFD8C	
SFD8D	
SVAC	
11QCUPC	
130SCUP	
MXEC320H	
MTC1T9	
User Interface Panel	
WR2-88	
WR8-88A	
WR8-88AF	
WTOCMA	
WTOCM	

(4 of 4)

Table 93-4 CCM Interval

Name	Value
Displayed name	CCM Interval
OSS name	ccmInterval
Type	ethernetoam.CCMIntervalNameType
Default	10 s
Tab|Panel	General|general
Description	Specifies the ccm-interval for this MEG.

(1 of 2)

Name	Value
Enumerated types	
1 s	
10 s	
100 ms	
10 ms	
3.33 ms	
60 s	
600 s	

(2 of 2)

Table 93-5 CFM Hold Down Timer

Name	Value
Displayed name	CFM Hold Down Timer
OSS name	cfmHoldDownTimer
Type	INT
Minimum	0
Maximum	1000
Default	0
Units	Centiseconds
Tab|Panel	General|general
Description	Specifies the time, in centiseconds, that a MEP in the association will delay declaring a fault.

Table 93-6 Enable Auto Remote MEP Discovery

Name	Value
Displayed name	Enable Auto Remote MEP Discovery
OSS name	autoRemoteMepDiscover
Type	BOOL
Default	false
Tab|Panel	General|general
Description	The value of autoRemoteMepDiscover specifies if remote MEP automatic discovery is enabled in the association.

Table 93-7 Facility ID-Permission

Name	Value
Displayed name	Facility ID-Permission
OSS name	facilityidPermission
Type	ethernetoam.Dot1agCfmIdPermissionEnum
Default	none
Mandatory on creation	no
Tab|Panel	General|general
Description	Enumerated value indicating what, if anything, is to be included in the Sender ID TLV (21.5.3) transmitted by MPS configured in this MEG. This object is configurable on MA entries that do not consist of component entries.
Enumerated types	
chassis	
chassisManage	
defer	
manage	
none	

Table 93-8 Global MEG

Name	Value
Displayed name	Global MEG
OSS name	globalCcTest
Type	POINTER
Read-only	yes
Tab|Panel	General|general

Table 93-9 Maintenance Domain ID

Name	Value
Displayed name	Maintenance Domain ID
OSS name	maintenanceDomainId
Type	LONG
Read-only	yes
Tab|Panel	General|general
Description	The identifier for local MD associated with this local MEG derived from MD pointer to global MD.

Table 93-10 Maintenance Domain Level

Name	Value
Displayed name	Maintenance Domain Level
OSS name	maintDomainLevel
Type	INT
Minimum	0
Maximum	7
Default	0
Read-only	yes
Tab|Panel	General|general
Description	The MD level 0 to 7.

Table 93-11 Maintenance Entity Group ID

Name	Value
Displayed name	Maintenance Entity Group ID
OSS name	maintenanceAssociationId
Type	LONG
Mandatory on creation	yes
Tab|Panel	General|general
Description	The identifier for MEG.

Table 93-12 Maintenance Entity Group Name

Name	Value
Displayed name	Maintenance Entity Group Name
OSS name	maintAssocName
Type	STRING
Maximum	45
Read-only	yes
Tab|Panel	General|general
Description	The Maintenance Entity Group Name

Table 93-13 Maintenance Entity Group Name Type

Name	Value
Displayed name	Maintenance Entity Group Name Type
OSS name	maintAssocNameType
Type	ethernetoam.MaintAssocNameType
Read-only	yes
Tab|Panel	General|general
Description	Specifies the address type of the Maintenance Entity Group.
Enumerated types	
icc-based	
integer	
string	
vid	
vpn-id	

Table 93-14 Number Of MEPs

Name	Value
Displayed name	Number Of MEPs
OSS name	totalnumberOfMep
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|general

Table 93-15 Service ID

Name	Value
Displayed name	Service ID
OSS name	serviceId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|general
Description	Service Id of MEG site.

Table 93-16 Site

Name	Value
Displayed name	Site
OSS name	node
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|general
Description	The network element representing this local MEG.

Table 93-17 Test Suite Count

Name	Value
Displayed name	Test Suite Count
OSS name	sasTestSuiteCount
Type	INT
Minimum	0
Default	0
Read-only	yes
Tab|Panel	General|general

Table 93-18 Unicast Hub MEP

Name	Value
Displayed name	Unicast Hub MEP
OSS name	hubMepPointer
Type	POINTER
Tab|Panel	General|general
Description	Specifies a Hub MEP pointer.

Table 93-19 VLAN ID

Name	Value
Displayed name	VLAN ID
OSS name	vlanId
Type	INT

(1 of 2)

Name	Value
Minimum	1
Maximum	4094
Default	1
Mandatory on creation	yes
Tab|Panel	General|general
Description	VLAN ID of the VLAN Element object.

(2 of 2)

94 — NE Schedulable Test

Table 94-1 NE Schedulable Test parameters

Parameters	
Accounting Policy ID	Name
Administrative State	Owned By
Card TCA Profile	Owner
Deployed Test	Runs
Description	Suppress Accounting
Failures	Test
ID	Test Mode

Table 94-2 Accounting Policy ID

Name	Value
Displayed name	Accounting Policy ID
OSS name	accountingPolicyObjectPointer
Type	POINTER
Tab|Panel	Accounting|Accounting Policy

Table 94-3 Administrative State

Name	Value
Displayed name	Administrative State

(1 of 2)

Name	Value
OSS name	administrativeState
Type	sas.TestAdminState
Default	Enabled
Tab|Panel	General|General
Description	The administrative state of the NE schedulable test. The associated ping/trace tests cannot be executed if this administrative state is disabled.
Enumerated types	
Disabled	
Enabled	
Unknown	

(2 of 2)

Table 94-4 Card TCA Profile

Name	Value
Displayed name	Card TCA Profile
OSS name	cardStatsTCAProfilePointer
Type	POINTER
Tab|Panel	Accounting|Accounting Policy

Table 94-5 Deployed Test

Name	Value
Displayed name	Deployed Test
OSS name	deployedTest
Type	POINTER
Read-only	yes
Tab|Panel	General|General
Description	Points to the sas.DeployedTest which is schedulable on the node.

Table 94-6 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING

(1 of 2)

Name	Value
Minimum	0
Maximum	80
Tab|Panel	General|General
Description	The description of the NE schedulable test. Not interpreted by SAM.

(2 of 2)

Table 94-7 Failures

Name	Value
Displayed name	Failures
OSS name	failures
Type	LONG
Tab|Panel	Execution Summary|General
Description	Indicates the number of times the NE schedulable test has failed.

Table 94-8 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	1
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The unique identifier of the NE schedulable test.

Table 94-9 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	32
Mandatory on creation	no

(1 of 2)

Name	Value
Tab|Panel	General|General
Description	The display name of the NE schedulable test. This name must be unique within the context NE agent. The displayedName, along with sas.NeSchedulableTest.neOwner, forms the node identifier.

(2 of 2)

Table 94-10 Owned By

Name	Value
Displayed name	Owned By
OSS name	ownerType
Type	sas.OwnerType
Default	SAM
Mandatory on creation	yes
Tab|Panel	General|General
Description	Specifies the owner type for this test, basically whether the test was created by SAM or some other entity.
Enumerated types	
Other Description: The test is owned by the managed node (eg 7750 SR) or another 3rd party entity. These tests are resynced / discovered from the node, and were not created by SAM.	
SAM Description: The test is owned by the SAM NMS. These tests are under complete control of SAM.	

Table 94-11 Owner

Name	Value
Displayed name	Owner
OSS name	neTestOwner
Type	STRING
Maximum	32
Read-only	yes
Tab|Panel	General|General
Description	The owner of the NE schedulable test. The neOwner, along with sas.NeSchedulableTest.displayedName, forms the node identifier.

Table 94-12 Runs

Name	Value
Displayed name	Runs

(1 of 2)

Name	Value
OSS name	runs
Type	LONG
Tab|Panel	Execution Summary|General
Description	Indicates the number of times the NE schedulable test has run.

(2 of 2)

Table 94-13 Suppress Accounting

Name	Value
Displayed name	Suppress Accounting
OSS name	suppressAccounting
Type	BOOL
Default	false
Tab|Panel	Accounting|Accounting Policy
Description	The value of tmnxOamSaaCtlSuppressAccounting specifies whether or not the updating of accounting files is suppressed. The value of 'true (1)' is applicable only when an accounting policy has been specified by tmnxOamSaaCtlAcctPolicyId.

Table 94-14 Test

Name	Value
Displayed name	Test
OSS name	test
Type	POINTER
Read-only	yes
Tab|Panel	General|General
Description	Points to the sas.Test which is schedulable on the node.

Table 94-15 Test Mode

Name	Value
Displayed name	Test Mode
OSS name	testMode
Type	sas.TestType
Default	Not Configured
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	Indicates the type of test. A value of notConfigured signifies that there is no associated test.
Enumerated types	
Action	
Not Configured	
Ping	
Trace	

(2 of 2)

95 — NE Specifics

Table 95-1 NE Specifics parameters

Parameters	
Aging Grace Period	Minimum Wait After Invalid Login
Aging Interval	MTC1T9 Programmed Capacity
AINS Timer	Network Element Description
Alarm Reporting Control	Network Element ID
Allowed Logins After Password Expiration	Network Element Mode
Contact	Network Element Name
Controller Programmed Capacity	Obsolescence Interval
Dormant Account	OCS IP
Enable PM TCA Alerts	OSPF Area Id(GCC/OSC Interfaces)
Extended Temperature Range	OSPF Area Index(GCC/OSC Interfaces)
Feature IP Utilities restricted	SNMP Source
Feature Pause Flow Control	Software Release
File based PM Policy	Subnet Mask
HTTP Port	System Date Time during Last Resync
Idle User Timeout	Telnet Port
Maximum Invalid Login Attempts	UI Mode
Maximum Password Length	Wave Key Space
Minimum Password Length	

Table 95-2 Aging Grace Period

Name	Value
Displayed name	Aging Grace Period

(1 of 2)

Name	Value
OSS name	passwdAgingGraceInterval
Type	INT
Minimum	0
Maximum	999
Units	days
Tab|Panel	General|Password Settings
Description	Password aging grace threshold in days. 0 mean no limit in grace period.

(2 of 2)

Table 95-3 Aging Interval

Name	Value
Displayed name	Aging Interval
OSS name	passwdAging
Type	INT
Minimum	0
Maximum	999
Units	days
Tab|Panel	General|Password Settings
Description	Minimum interval between invalid login attempts, in seconds. 0 indicates that user account is disabled.

Table 95-4 AINS Timer

Name	Value
Displayed name	AINS Timer
OSS name	ainsTimer
Type	INT
Minimum	60
Maximum	345600
Units	seconds
Step	60
Tab|Panel	General|NE Details
Description	This attribute must be set in multiples of 60s. Current configurable range: 1m to 96h 0m.

Table 95-5 Alarm Reporting Control

Name	Value
Displayed name	Alarm Reporting Control
OSS name	alarmReportingControl
Type	optical.AlarmReportingControl
Default	Indefinite Inhibition
Tab|Panel	General|NE Details
Description	Alarm Reporting Control.
Enumerated types	
Indefinite Inhibition	
Released	

Table 95-6 Allowed Logins After Password Expiration

Name	Value
Displayed name	Allowed Logins After Password Expiration
OSS name	passwdAgingGraceLogins
Type	INT
Minimum	0
Maximum	999
Tab|Panel	General|Access Settings
Description	Password aging grace logins threshold in number of times allowed. 0 means no limit on the number of logins after password has expired.

Table 95-7 Contact

Name	Value
Displayed name	Contact
OSS name	contact
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|NE Details
Description	Contact

Table 95-8 Controller Programmed Capacity

Name	Value
Displayed name	Controller Programmed Capacity
OSS name	equipmentControllerCapacity
Type	optical.CardCapacity
Mandatory on creation	no
Tab|Panel	General|NE Details
Description	Equipment Controller Capacity.
Enumerated types	
16G	
32G	
4G	
64G	
8G	
unknown	

Table 95-9 Dormant Account

Name	Value
Displayed name	Dormant Account
OSS name	loginInactivityTimeout
Type	INT
Minimum	0
Maximum	999
Units	days
Tab|Panel	General|Access Settings
Description	Maximum interval that the User is inactive, without login to the NE, before that user is disabled in days. That is, the number of days left before UID expiration. 0 indicates that the user account is disabled.

Table 95-10 Enable PM TCA Alerts

Name	Value
Displayed name	Enable PM TCA Alerts
OSS name	pmTcaEnabled
Type	BOOL
Default	false

(1 of 2)

Name	Value
Tab|Panel	General|Performance Management
Description	Enables or disables PM TCA alerts globally per NE.

(2 of 2)

Table 95-11 Extended Temperature Range

Name	Value
Displayed name	Extended Temperature Range
OSS name	extendedTempRange
Type	BOOL
Tab|Panel	General|NE Details
Description	Extended Temperature Range for PSS-1 and PSS-4.

Table 95-12 Feature IP Utilities restricted

Name	Value
Displayed name	Feature IP Utilities restricted
OSS name	featureIpUtiltiesRestricted
Type	BOOL
Default	false
Tab|Panel	General|NE Details
Description	Feature IP Utilities restricted.

Table 95-13 Feature Pause Flow Control

Name	Value
Displayed name	Feature Pause Flow Control
OSS name	featurePauseFlowControl
Type	optical.FeaturePauseFlowControl
Default	Negotiated
Tab|Panel	General|NE Details
Description	Feature Pause Flow Control.
Enumerated types	
Manual	
Negotiated	

Table 95-14 File based PM Policy

Name	Value
Displayed name	File based PM Policy
OSS name	pmPolicyPointer
Type	POINTER
Tab|Panel	General|Performance Management
Description	The Performance Management Policy associated with this PSS.

Table 95-15 HTTP Port

Name	Value
Displayed name	HTTP Port
OSS name	httpPort
Type	INT
Tab|Panel	General|NE Details
Description	System's http port.

Table 95-16 Idle User Timeout

Name	Value
Displayed name	Idle User Timeout
OSS name	sessionTimeout
Type	INT
Minimum	0
Maximum	999
Units	minutes
Tab|Panel	General|Access Settings
Description	NE user session timeout in minutes.

Table 95-17 Maximum Invalid Login Attempts

Name	Value
Displayed name	Maximum Invalid Login Attempts
OSS name	maxFailedLogins
Type	INT

(1 of 2)

Name	Value
Minimum	0
Maximum	15
Tab|Panel	General|Access Settings
Description	Maximum logins allowed.

(2 of 2)

Table 95-18 Maximum Password Length

Name	Value
Displayed name	Maximum Password Length
OSS name	maxPasswdLth
Type	INT
Tab|Panel	General|Password Settings
Description	Maximum Password Length on NE.

Table 95-19 Minimum Password Length

Name	Value
Displayed name	Minimum Password Length
OSS name	minPasswdLth
Type	INT
Minimum	8
Maximum	32
Default	8
Tab|Panel	General|Password Settings
Description	Minimum Password Length on NE

Table 95-20 Minimum Wait After Invalid Login

Name	Value
Displayed name	Minimum Wait After Invalid Login
OSS name	minIntervalInvalidLogin
Type	INT
Minimum	0
Maximum	60
Units	seconds

(1 of 2)

Name	Value
Tab|Panel	General|Access Settings
Description	Minimum interval between invalid login attempts, in seconds. 0 indicates that user account is disabled.

(2 of 2)

Table 95-21 MTC1T9 Programmed Capacity

Name	Value
Displayed name	MTC1T9 Programmed Capacity
OSS name	matrixFirstLevelControllerCapacity
Type	optical.CardCapacity
Tab|Panel	General|NE Details
Description	Universal Matrix First Level Controller Capacity.
Enumerated types	
16G	
32G	
4G	
64G	
8G	
unknown	

Table 95-22 Network Element Description

Name	Value
Displayed name	Network Element Description
OSS name	neDescription
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|NE Details
Description	Editable Network Element Description.

Table 95-23 Network Element ID

Name	Value
Displayed name	Network Element ID

(1 of 2)

Name	Value
OSS name	opticalNeId
Type	INT
Minimum	0
Maximum	30
Default	0
Tab|Panel	General|NE Details
Description	Editable Network Element Id.Not necessarily a unique value in the network.

(2 of 2)

Table 95-24 Network Element Mode

Name	Value
Displayed name	Network Element Mode
OSS name	neMode
Type	optical.NeMode
Tab|Panel	General|NE Details
Description	Network Element Mode[Sonet/SDH].
Enumerated types	
SDH	
SONET	

Table 95-25 Network Element Name

Name	Value
Displayed name	Network Element Name
OSS name	neName
Type	STRING
Tab|Panel	General|NE Details
Description	Site id.

Table 95-26 Obsolescence Interval

Name	Value
Displayed name	Obsolescence Interval
OSS name	passwdObsoloscenceInterval
Type	INT

(1 of 2)

Name	Value
Minimum	0
Maximum	999
Units	days
Tab|Panel	General|Password Settings
Description	Minimum time interval, in days, that is required if the user wishes to use a password that was already used. 0 means this capability is disabled.

(2 of 2)

Table 95-27 OCS IP

Name	Value
Displayed name	OCS IP
OSS name	ocsIpAddress
Type	INETADDR
Default	0.0.0.0
Tab|Panel	General|NE Details
Description	Optical Cross-connect System (OCS) IP address.

Table 95-28 OSPF Area Id(GCC/OSC Interfaces)

Name	Value
Displayed name	OSPF Area Id(GCC/OSC Interfaces)
OSS name	ipOspfAreaNumberPPPId
Type	INETADDR
Default	0
Tab|Panel	General|NE Details
Description	For all OSC/GCC interfaces, it will use the same OSPF area which can be provisioned to something other than the default 0.0.0.0.

Table 95-29 OSPF Area Index(GCC/OSC Interfaces)

Name	Value
Displayed name	OSPF Area Index(GCC/OSC Interfaces)
OSS name	ipOspfAreaPPPId
Type	POINTER
Tab|Panel	General|NE Details

(1 of 2)

Name	Value
Description	For all OSC/GCC interfaces, it will use the same OSPF area which can be provisioned to something other than the default 0.0.0.0.

(2 of 2)

Table 95-30 SNMP Source

Name	Value
Displayed name	SNMP Source
OSS name	configuredSnmpSource
Type	optical.SnmpSource
Tab|Panel	General|NE Details
Description	false - SNMP requests can be made using any of the NEs interface IP addresses or Loopback IP address. The source IP address in SNMP trap/reply messages shall be the interface IP address on which the packet leaves the NE. Hence it is the SNMP clients responsibility to be able to associate an NE with multiple IP addresses. true - SNMP requests can be made using ONLY the NEs Loopback IP address. The source IP address in SNMP trap/reply messages shall be fixed as the Loopback IP. Extended Temperature Range for PSS-1.
Enumerated types	
Any IP Interface	
Loopback IP Only	

Table 95-31 Software Release

Name	Value
Displayed name	Software Release
OSS name	swActiveRelease
Type	STRING
Minimum	0
Maximum	20
Tab|Panel	General|NE Details
Description	Active Software Release on Network Element.

Table 95-32 Subnet Mask

Name	Value
Displayed name	Subnet Mask
OSS name	subnetMask
Type	INETADDR

(1 of 2)

Name	Value
Tab|Panel	General|NE Details
Description	Network Element Subnet Mask.

(2 of 2)

Table 95-33 System Date Time during Last Resync

Name	Value
Displayed name	System Date Time during Last Resync
OSS name	sysDateTime
Type	DATE
Tab|Panel	General|NE Details
Description	System Date and Time.

Table 95-34 Telnet Port

Name	Value
Displayed name	Telnet Port
OSS name	telnetPort
Type	INT
Tab|Panel	General|NE Details
Description	System's telnet port.

Table 95-35 UI Mode

Name	Value
Displayed name	UI Mode
OSS name	secureMode
Type	optical.SecurityMode
Default	Normal
Tab|Panel	General|NE Details
Description	Network Element Security Mode.
Enumerated types	
Encrypted	
Normal	

Table 95-36 Wave Key Space

Name	Value
Displayed name	Wave Key Space
OSS name	wavekeySpace
Type	INT
Minimum	0
Maximum	255
Default	0
Tab|Panel	General|NE Details
Description	Wave Key Space.

96 — NE TCA Profiles

Table 96-1 NE TCA Profiles parameters

Parameters	
Configuration Mode	Policy Scope
Description	Site ID
Discovery State	Site Name
Distribution Mode	TCA Profile ID
Origin	TCA Profile Type
Origin Site Name	

Table 96-2 Configuration Mode

Name	Value
Displayed name	Configuration Mode
OSS name	configurationMode
Type	netca.ConfigurationMode
Default	draft
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 96-3 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 96-4 Discovery State

Name	Value
Displayed name	Discovery State
OSS name	discoveryState
Type	netca.DiscoveryState
Default	notApplicable
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to "inProgress" if the global policy is created as the part of the specific NE resync during the full node resync or node discovery. At the end of full node resync, if the resync is successful, the global policy is completely updated from first discovered local policy and its discoveryState is set to "completed". Otherwise, the global policy isn't updated and its discoveryState is set to "failed". For "failed" global policy, it will be updated by next successful full node resync or synchronized from the specific local policy. Set to "initialized" if the global policy is created by snmp trap notification. User may need to synchronize the global policy manually with the specific local policy. Set to "N/A" if the global policy is created or modified by SAM user.

Table 96-5 Distribution Mode

Name	Value
Displayed name	Distribution Mode
OSS name	distributionMode
Type	netca.DistributionMode
Default	syncWithGlobal
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 96-6 Origin

Name	Value
Displayed name	Origin
OSS name	origin
Type	STRING
Maximum	50
Default	N/A
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to the siteId if the policy is created as the part of the specific NE resync or by snmp notification. Set to user name if the policy is created by SAM user.

Table 96-7 Origin Site Name

Name	Value
Displayed name	Origin Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 96-8 Policy Scope

Name	Value
Displayed name	Policy Scope
OSS name	isLocal
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 96-9 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 96-10 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 96-11 TCA Profile ID

Name	Value
Displayed name	TCA Profile ID
OSS name	tcaProfileId
Type	INT
Minimum	0
Maximum	8
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 96-12 TCA Profile Type

Name	Value
Displayed name	TCA Profile Type
OSS name	groupId
Type	netca.TCAProfileType
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
Card	
CD	
DGD	
Digital Wrapper	
E1	
Ethernet	
FOFF	
Interface	
ODURX	
ODUTX	
OPIN	
OPOUT	
OPR	
OPT	
OPOCHIN	
OPOCHOUT	
OSNR	
OTU	
Physical Code Sublayer	
Port	
PreFEC Bits	
SAP	
SDH	
SONET	
Two Way DM	
Two Way SLM	

97 — NE TCA Thresholds

Table 97-1 NE TCA Thresholds parameters

Parameters	
TCA Profile ID	TCA Variable Name
TCA Profile Type	Threshold Value

Table 97-2 TCA Profile ID

Name	Value
Displayed name	TCA Profile ID
OSS name	tcaProfileId
Type	INT
Minimum	0
Maximum	8
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 97-3 TCA Profile Type

Name	Value
Displayed name	TCA Profile Type
OSS name	groupId
Type	netca.TCAProfileType
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
Card	
CD	
DGD	
Digital Wrapper	
E1	
Ethernet	
FOFF	
Interface	
ODURX	
ODUTX	
OPIN	
OPOUT	
OPR	
OPT	
OPOCHIN	
OPOCHOUT	
OSNR	
OTU	
Physical Code Sublayer	
Port	
PreFEC Bits	
SAP	
SDH	
SONET	
Two Way DM	
Two Way SLM	

Table 97-4 TCA Variable Name

Name	Value
Displayed name	TCA Variable Name
OSS name	tcaVariableName
Type	netca.StatsVariableName
Tab|Panel	General|General
Enumerated types	
Cpu Average Utilization	
Heap Usage	
Pool Usage	
Rx BER PostFEC	
Rx BER PreFEC	
Rx PM BIP8 Error Count	
Rx PM BIP8 Error 15 Min Rtr	
Rx PM BIP8 Error 15 Min Tr	
Rx PM BIP8 Error 1 Day Tr	
Rx PM ES	
Rx PM ES 15 Min Rtr	
Rx PM ES 15 Min Tr	
Rx PM ES 1 Day Tr	
Rx PM FE BIP8 Error Count	
Rx PM FEES	
Rx PM FES ES	
Rx PM FE UAS	
Rx PM SES	
Rx PMS ES 15 Min Rtr	
Rx PM SES 15 Min Tr	
Rx PM SES 1 Day Tr	
Rx PM UAS	
Rx PM UAS 15 Min Rtr	
Rx PM UAS 15 Min Tr	
Rx PM UAS 1 Day Tr	
Rx RS Corrected Count	
Rx RS Corrected 15 Min Rtr	
Rx RS Corrected 15 Min Tr	
Rx RS Corrected 1 Day Tr	
Rx RS Uncorrected Count	

(1 of 11)

Name	Value
Rx RS UnCorrected 15 Min Rtr	
Rx RS Uncorrected 15 Min Tr	
Rx RS Uncorrected 1 Day Tr	
Rx SM BIA ES Error Count	
Rx SM BIP8 Error Count	
Rx SM BIP8 Error 15 Min Rtr	
Rx SM BIP8 Error 15 Min Tr	
Rx SM BIP8 Error 1 Day Tr	
Rx SM ES	
Rx SM ES 15 Min Rtr	
Rx SM ES 15 Min Tr	
Rx SM ES 1 Day Tr	
Rx SM FE BIP8 Error Count	
Rx SM FEES	
Rx SM FES ES	
Rx SM FE UAS	
Rx SM IAES Error Count	
Rx SM SES	
Rx SMS ES 15 Min Rtr	
Rx SM SES 15 Min Tr	
Rx SM SES 1 Day Tr	
Rx SM UAS	
Rx SM UAS 15 Min Rtr	
Rx SM UAS 15 Min Tr	
Rx SM UAS 1 Day Tr	
Rx BER PostFEC 15 Min Rtr	
Rx BER PostFEC 15 Min Tr	
Rx BER PostFEC 1 Day Tr	
Rx BER PreFEC 15 Min Rtr	
Rx BER PreFEC 15 Min Tr	
Rx BER PreFEC 1 Day Tr	
Rx PM FE BIP8 Error 15 Min Rtr	
Rx PM FE BIP8 Error 15 Min Tr	
Rx PM FE BIP8 Error 1 Day Tr	
Rx PM FE ES 15 Min Rtr	
Rx PM FE ES 15 Min Tr	
Rx PM FE ES 1 Day Tr	

(2 of 11)

Name	Value
Rx PM FE SES 15 Min Rtr	
Rx PM FE SES 15 Min Tr	
Rx PM FE SES 1 Day Tr	
Rx PM FE UAS 15 Min Rtr	
Rx PM FE UAS 15 Min Tr	
Rx PM FE UAS 1 Day Tr	
Rx SM BIAES 15 Min Rtr	
Rx SM BIAES 15 Min Tr	
Rx SM BIAES 1 Day Tr	
Rx SM FE BIP8 Error 15 Min Rtr	
Rx SM FE BIP8 Error 15 Min Tr	
Rx SM FE BIP8 Error 1 Day Tr	
Rx SM FE ES 15 Min Rtr	
Rx SM FE ES 15 Min Tr	
Rx SM FE ES 1 Day Tr	
Rx SM FE SES 15 Min Rtr	
Rx SM FE SES 15 Min Tr	
Rx SM FE SES 1 Day Tr	
Rx SM FE UAS 15 Min Rtr	
Rx SM FE UAS 15 Min Tr	
Rx SM FE UAS 1 Day Tr	
Rx SM IAES 15 Min Rtr	
Rx SM IAES 15 Min Tr	
Rx SM IAES 1 Day Tr	
Rx Broadcast Packets	
Rx Collisions	
Rx CRC Alignment Errors	
Rx Drop Events	
Rx Fragments	
Rx Jabbers	
Rx Jumbo Packets	
Rx Multicast Packets	
Rx Octets	
Rx Oversized Packets	
Rx Packet Error Ratio	
Rx Packet Error Ratio 15 Min Rtr	
Rx Packet Error Ratio 15 Min Tr	

(3 of 11)

Name	Value
Rx Packet Error Ratio 1 Day Tr	
Rx Packets	
Rx Packets Sized 1024 To 1518 Bytes	
Rx Packets Sized 128 To 255 Bytes	
Rx Packets Sized 256 To 511 Bytes	
Rx Packets Sized 512 To 1023 Bytes	
Rx Packets Sized 64 Bytes	
Rx Packets Sized 65 To 127 Bytes	
Rx Undersized Packets	
Tx Broadcast Packets	
Tx Collisions	
Tx CRC Alignment Errors	
Tx Drop Events	
Tx Fragments	
Tx Jabbers	
Tx Jumbo Packets	
Tx Multicast Packets	
Tx Octets	
Tx Oversized Packets	
Tx Packet Error Ratio	
Tx Packet Error Ratio 15 Min Rtr	
Tx Packet Error Ratio 15 Min Tr	
Tx Packet Error Ratio 1 Day Tr	
Tx Packets	
Tx Packets Sized 1024 To 1518 Bytes	
Tx Packets Sized 128 To 255 Bytes	
Tx Packets Sized 256 To 511 Bytes	
Tx Packets Sized 512 To 1023 Bytes	
Tx Packets Sized 64 Bytes	
Tx Packets Sized 65 To 127 Bytes	
Tx Undersized Packets	
In Broadcast Packets	
In Discards	
In Errors	
In Multicast Packets	
In Octets	
In Packets Not Classified	

(4 of 11)

Name	Value
In Unicast Packets	
In Unknown Protocols	
Out Broadcast Packets	
Out Discards	
Out Errors	
Out Multicast Packets	
Out Octets	
Out Unicast Packets	
Average Power	
Max Power	
Max Power Rtr	
Max Power Tr	
Min Power	
Min Power Rtr	
Min Power Tr	
Rx CV	
CV 15 Min Rtr	
Rx CV 15 Min Tr	
Rx CV 1 Day Tr	
Rx ES	
Rx ES 15 Min Rtr	
Rx ES 15 Min Tr	
Rx ES 1 Day Tr	
Rx SEFS	
Rx SEFS 15 Min Rtr	
Rx SEFS 15 Min Tr	
Rx SEFS 1 Day Tr	
Rx SES	
Rx SES 15 Min Rtr	
Rx SES 15 Min Tr	
Rx SES 1 Day Tr	
Tx CV	
Tx CV 15 Min Rtr	
Tx CV 15 Min Tr	
Tx CV 1 Day Tr	
Tx ES	
Tx ES 15 Min Rtr	

(5 of 11)

Name	Value
Tx ES 15 Min Tr	
Tx ES 1 Day Tr	
Tx SEFS	
Tx SEFS 15 Min Rtr	
Tx SEFS 15 Min Tr	
Tx SEFS 1 Day Tr	
Tx SES	
Tx SES 15 Min Rtr	
Tx SES 15 Min Tr	
Tx SES 1 Day Tr	
Rx MSEB	
Rx MSEB 15 Min Rtr	
Rx MSEB 15 Min Tr	
Rx MSEB 1 Day Tr	
Rx MSES	
Rx MSES 15 Min Rtr	
Rx MSES 15 Min Tr	
Rx MSES 1 Day Tr	
Rx MS FE EB	
Rx MSFEEB 15 Min Rtr	
Rx MSFEEB 15 Min Tr	
Rx MSFEEB 1 Day Tr	
Rx MS FE ES	
Rx MSFEES 15 Min Rtr	
Rx MSFEES 15 Min Tr	
Rx MSFEES 1 Day Tr	
Rx MS FES ES	
Rx MSFESES 15 Min Rtr	
Rx MSFESES 15 Min Tr	
Rx MSFESES 1 Day Tr	
Rx MS FEU AS	
Rx MSFEUAS 15 Min Rtr	
Rx MSFEUAS 15 Min Tr	
Rx MSFEUAS 1 Day Tr	
Rx MSSES	
Rx MSSES 15 Min Rtr	
Rx MSSES 15 Min Tr	

(6 of 11)

Name	Value
Rx MSSES 1 Day Tr	
Rx MSUAS	
Rx MSUAS 15 Min Rtr	
Rx MSUAS 15 Min Tr	
Rx MSUAS 1 Day Tr	
Rx RSEB	
Rx RSEB 15 Min Rtr	
Rx RSEB 15 Min Tr	
Rx RSEB 1 Day Tr	
Rx RSES	
Rx RSES 15 Min Rtr	
Rx RSES 15 Min Tr	
Rx RSES 1 Day Tr	
Rx RSSES	
Rx RSSES 15 Min Rtr	
Rx RSSES 15 Min Tr	
Rx RSSES 1 Day Tr	
Rx RSUAS	
Rx RSUAS 15 Min Rtr	
Rx RSUAS 15 Min Tr	
Rx RSUAS 1 Day Tr	
Tx MSEB	
Tx MSEB 15 Min Rtr	
Tx MSEB 15 Min Tr	
Tx MSEB 1 Day Tr	
Tx MSES	
Tx MSES 15 Min Rtr	
Tx MSES 15 Min Tr	
Tx MSES 1 Day Tr	
Tx MSSES	
Tx MSSES 15 Min Rtr	
Tx MSSES 15 Min Tr	
Tx MSSES 1 Day Tr	
Tx MSUAS	
Tx MSUAS 15 Min Rtr	
Tx MSUAS 15 Min Tr	
Tx MSUAS 1 Day Tr	

(7 of 11)

Name	Value
Tx RSEB	
Tx RSEB 15 Min Rtr	
Tx RSEB 15 Min Tr	
Tx RSEB 1 Day Tr	
Tx RSES	
Tx RSES 15 Min Rtr	
Tx RSES 15 Min Tr	
Tx RSES 1 Day Tr	
Tx RSSES	
Tx RSSES 15 Min Rtr	
Tx RSSES 15 Min Tr	
Tx RSSES 1 Day Tr	
Tx RSUAS	
Tx RSUAS 15 Min Rtr	
Tx RSUAS 15 Min Tr	
Tx RSUAS 1 Day Tr	
Rx CVL	
Rx CVL 15 Min Rtr	
Rx CVL 15 Min Tr	
Rx CVL 1 Day Tr	
Rx CVS	
Rx CVS 15 Min Rtr	
Rx CVS 15 Min Tr	
Rx CVS 1 Day Tr	
Rx ESL	
Rx ESL 15 Min Rtr	
Rx ESL 15 Min Tr	
Rx ESL 1 Day Tr	
Rx ESS	
Rx ESS 15 Min Rtr	
Rx ESS 15 Min Tr	
Rx ESS 1 Day Tr	
Rx FCL	
Rx FCL 15 Min Rtr	
Rx FCL 15 Min Tr	
Rx FCL 1 Day Tr	
Rx FECVL	

(8 of 11)

Name	Value
Rx FECVL 15 Min Rtr	
Rx FECVL 15 Min Tr	
Rx FECVL 1 Day Tr	
Rx FEESL	
Rx FEESL 15 Min Rtr	
Rx FEESL 15 Min Tr	
Rx FEESL 1 Day Tr	
Rx FESESL	
Rx FESESL 15 Min Rtr	
Rx FESESL 15 Min Tr	
Rx FESESL 1 Day Tr	
Rx FEUASL	
Rx FEUASL 15 Min Rtr	
Rx FEUASL 15 Min Tr	
Rx FEUASL 1 Day Tr	
Rx SEFSS	
Rx SEFSS 15 Min Rtr	
Rx SEFSS 15 Min Tr	
Rx SEFSS 1 Day Tr	
Rx SESL	
Rx SESL 15 Min Rtr	
Rx SESL 15 Min Tr	
Rx SESL 1 Day Tr	
Rx SESS	
Rx SESS 15 Min Rtr	
Rx SESS 15 Min Tr	
Rx SESS 1 Day Tr	
Rx UASL	
Rx UASL 15 Min Rtr	
Rx UASL 15 Min Tr	
Rx UASL 1 Day Tr	
Rx UASS	
Rx UASS 15 Min Rtr	
Rx UASS 15 Min Tr	
Rx UASS 1 Day Tr	
Tx CVL	
Tx CVL 15 Min Rtr	

(9 of 11)

Name	Value
Tx CVL 15 Min Tr	
Tx CVL 1 Day Tr	
Tx CVS	
Tx CVS 15 Min Rtr	
Tx CVS 15 Min Tr	
Tx CVS 1 Day Tr	
Tx ESL	
Tx ESL 15 Min Rtr	
Tx ESL 15 Min Tr	
Tx ESL 1 Day Tr	
Tx ESS	
Tx ESS 15 Min Rtr	
Tx ESS 15 Min Tr	
Tx ESS 1 Day Tr	
Tx FCL	
Tx FCL 15 Min Rtr	
Tx FCL 15 Min Tr	
Tx FCL 1 Day Tr	
Tx SEFSS	
Tx SEFSS 15 Min Rtr	
Tx SEFSS 15 Min Tr	
Tx SEFSS 1 Day Tr	
Tx SESL	
Tx SESL 15 Min Rtr	
Tx SESL 15 Min Tr	
Tx SESL 1 Day Tr	
Tx SESS	
Tx SESS 15 Min Rtr	
Tx SESS 15 Min Tr	
Tx SESS 1 Day Tr	
Tx UASL	
Tx UASL 15 Min Rtr	
Tx UASL 15 Min Tr	
Tx UASL 1 Day Tr	
Tx UASS	
Tx UASS 15 Min Rtr	
Tx UASS 15 Min Tr	

(10 of 11)

Name	Value
Tx UASS 1 Day Tr	
Rx BBEP 15 Min Rtr	
Rx BBEP 15 Min Tr	
Rx BBEP 1 Day Tr	
Rx ESP 15 Min Rtr	
Rx ESP 15 Min Tr	
Rx ESP 1 Day Tr	
Rx SESP 15 Min Rtr	
Rx SESP 15 Min Tr	
Rx SESP 1 Day Tr	
Rx UASP 15 Min Rtr	
Rx UASP 15 Min Tr	
Rx UASP 1 Day Tr	
Tx BBEP 15 Min Rtr	
Tx BBEP 15 Min Tr	
Tx BBEP 1 Day Tr	
Tx ESP 15 Min Rtr	
Tx ESP 15 Min Tr	
Tx ESP 1 Day Tr	
Tx SESP 15 Min Rtr	
Tx SESP 15 Min Tr	
Tx SESP 1 Day Tr	
Tx UASP 15 Min Rtr	
Tx UASP 15 Min Tr	
Tx UASP 1 Day Tr	

(11 of 11)

Table 97-5 Threshold Value

Name	Value
Displayed name	Threshold Value
OSS name	tcaValue
Type	STRING
Minimum	0
Maximum	20
Default	0
Tab|Panel	General|General

98 — NE Test Agent

Table 98-1 NE Test Agent parameters

Parameters	
Current Deployed Test Count	Maximum LTT Concurrent Requests
Maximum Concurrent Pings	Node ID
Maximum Concurrent Traces	Unlimited Concurrent Pings
Maximum Deployed Test Count	Unlimited Concurrent Traces

Table 98-2 Current Deployed Test Count

Name	Value
Displayed name	Current Deployed Test Count
OSS name	deployedTestCount
Type	INT
Minimum	0
Default	0
Tab|Panel	General|limits
Description	The number of deployed tests installed on the node.

Table 98-3 Maximum Concurrent Pings

Name	Value
Displayed name	Maximum Concurrent Pings
OSS name	maxConcurrentPings
Type	LONG
Minimum	0
Default	10
Tab|Panel	General|pings
Description	The maximum number of concurrent pings (and actions) allowed to execute on this SA site.

Table 98-4 Maximum Concurrent Traces

Name	Value
Displayed name	Maximum Concurrent Traces
OSS name	maxConcurrentTraces
Type	LONG
Minimum	0
Default	10
Tab|Panel	General|traces
Description	The maximum number of concurrent traces allowed to execute on this SA site.

Table 98-5 Maximum Deployed Test Count

Name	Value
Displayed name	Maximum Deployed Test Count
OSS name	maxDeployedTestCount
Type	INT
Default	5000
Tab|Panel	General|limits
Description	The maximum number of deployed tests allowed on the node.

Table 98-6 Maximum LTT Concurrent Requests

Name	Value
Displayed name	Maximum LTT Concurrent Requests

(1 of 2)

Name	Value
OSS name	maxLTtraceMaxConRequests
Type	LONG
Minimum	0
Default	4
Tab|Panel	General|traces
Description	Indicates the maximum number of concurrent active Ldp Tree Trace manual discovery requests that are allowed within an agent implementation.

(2 of 2)

Table 98-7 Node ID

Name	Value
Displayed name	Node ID
OSS name	nodeId
Type	STRING
Maximum	60
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|General
Description	The service assurance agent node ID.

Table 98-8 Unlimited Concurrent Pings

Name	Value
Displayed name	Unlimited Concurrent Pings
OSS name	unlimitedMaxPings
Type	BOOL
Default	false
Tab|Panel	General|pings
Description	Set to true to allow an unlimited number of concurrent pings on a node. There may still be some node specific limits, in which case, setting this flag to true will ensure that the maxConcurrentPings is configured to the maximum.

Table 98-9 Unlimited Concurrent Traces

Name	Value
Displayed name	Unlimited Concurrent Traces

(1 of 2)

Name	Value
OSS name	unlimitedMaxTraces
Type	BOOL
Default	false
Tab|Panel	General|traces
Description	Set to true to allow an unlimited number of concurrent traces on a node. There may still be some node specific limits, in which case, setting this flag to true will ensure that the maxConcurrentTraces is configured to the maximum.

(2 of 2)

99 — *NetworkEgressForwardingClass*

Table 99-1 NetworkEgressForwardingClass parameters

Parameters	
Dot1p In Profile Dot1p Out Profile DSCP In Profile DSCP Out Profile	Forwarding Class Lsp-Exp In Profile Lsp-Exp Out Profile

Table 99-2 Dot1p In Profile

Name	Value
Displayed name	Dot1p In Profile
OSS name	dot1pInProfile
Type	qos.Dot1pPriority
Default	Not Set (-1)
Tab|Panel	General|Properties
Enumerated types	
Not Set (-1)	
0	
1	
2	
3	
4	

(1 of 2)

Name	Value
5	
6	
7	

(2 of 2)

Table 99-3 Dot1p Out Profile

Name	Value
Displayed name	Dot1p Out Profile
OSS name	dot1pOutProfile
Type	qos.Dot1pPriority
Default	Not Set (-1)
Tab|Panel	General|Properties
Enumerated types	
Not Set (-1)	
0	
1	
2	
3	
4	
5	
6	
7	

Table 99-4 DSCP In Profile

Name	Value
Displayed name	DSCP In Profile
OSS name	dscpInProfile
Type	qos.DscpEnum
Tab|Panel	General|Properties
Enumerated types	
Default	

Table 99-5 DSCP Out Profile

Name	Value
Displayed name	DSCP Out Profile
OSS name	dscpOutProfile
Type	qos.DscpEnum
Tab|Panel	General|Properties
Enumerated types	
Default	

Table 99-6 Forwarding Class

Name	Value
Displayed name	Forwarding Class
OSS name	forwardingClass
Type	qos.FcEnum
Mandatory on creation	yes
Tab|Panel	General|Properties

Table 99-7 Lsp-Exp In Profile

Name	Value
Displayed name	Lsp-Exp In Profile
OSS name	lspExpInProfile
Type	qos.LspExpValue
Default	0
Tab|Panel	General|Properties
Enumerated types	
default	
0	
1	
2	
3	
4	
5	
6	
7	

Table 99-8 Lsp-Exp Out Profile

Name	Value
Displayed name	Lsp-Exp Out Profile
OSS name	lspExpOutProfile
Type	qos.LspExpValue
Default	0
Tab|Panel	General|Properties
Enumerated types	
default	
0	
1	
2	
3	
4	
5	
6	
7	

100 —Network Element

Table 100-1 Network Element parameters

Parameters	
Active Management IP	Enable SNMP Streaming
Active Management IP	eNodeB Equipment
Aggregate Rate	External EMS
Aggregate Rate	Feeder Port
Alarm Management	Global RADIUS Operational State
Alternate Element Manager	Hi-Water-Mark
Assigned Event Notification Policy	Id-Permission
ATM OAM Loopback Location ID	IP Load Balancing
ATM OAM Loopback Period	IP Next Hop Limit
Auto Revert to Preferred	IP Next Hop Usage High
Bandwidth Policy	L3 Management Interface
Chassis Type	L4 Load Balancing
ChassisTypeDescription	Last Resync End Time
Concurrent Active Session Count	Last Resync Start Time
Concurrent Active Session Limit	Last Saved Result
Config File Status	Last Saved Time
Console Alarm Input	Last Scheduled Resync End Time
Custom Property 1	Last Scheduled Resync Start Time
Custom Property 2	Latitude(degrees)
Custom Property 3	Level
Descriptor Version	LI Local Save Allowed
DNS Domain	Location
Element Management URL	Longitude(degrees)
Enable L3 Management Interface	Low-Water-Mark
Enable Q in Q Untagged Sap	LSR IP Load Balancing

(1 of 2)

Parameters	
MAC Notification Count	Save Needed
MAC Notification Interval	Scheduled Polling
Mac-Swap Port	Scheduled Resync Status
Management IP Address	Secondary DNS
Management IP Selection	Secondary Route Preference
Maximum Cleared Alarms	Separate LI Administration
MHF-Creation	Service ID Lag Hashing
Mirror Port	Site ID
Multicast Enhanced Load Balancing	Site Name
Name	SNMP Reachability
NTP State	Software Upgrade Transition States
Number of Tries For Down State	Software Version
Number of Tries For Up State	State
Operational State Transition Interval	State
PBB Source Backbone MAC Address	Sys Object ID
Persistent Index Status	System Description
Persistent SNMP Indices	System ID (Loopback IP Address)
Policy Count	System IP Address
PPS Message Type	System Up Time
PPS Output	System Wide FDB Records in Use
Primary DNS	Template Based Configuration
Primary Route Preference	Tertiary DNS
Product Definition	TestHead Port
Profile Count	Total PBB MAC Address Indices in Use
QoS Classification	Use WRED Slopes
RADIUS CoA Port	Vendor-Specific ICMP Extensions
Redundant Synchronization Mode	Vnode
Remote URL	VPLS Mode
Resource Group ID	Zone Count
Resync Status	

(2 of 2)

Table 100-2 Active Management IP

Name	Value
Displayed name	Active Management IP
OSS name	activeManagementIp
Type	netw.PollingMode
Default	Out Of Band
Tab|Panel	Polling.Management|Management Preference
Enumerated types	
In Band	
Out Of Band	
Primary	

(1 of 2)

Name	Value
Secondary	

(2 of 2)

Table 100-3 Active Management IP

Name	Value
Displayed name	Active Management IP
OSS name	ipAddress
Type	INETADDR
Default	0.0.0.0
Mandatory on creation	yes
Tab|Panel	General|General
Description	Starting in 8.0R1 the initial value for this attribute is always the discovery address which is considered to be the initial management address If the node's active management IP will change this attribute will be populated with the new management IP. The following scenarios are applicable: - changing the management IP from Out Of Band to Inband and vice-versa - changing the IP address for the active management IP

Table 100-4 Aggregate Rate

Name	Value
Displayed name	Aggregate Rate
OSS name	accessIngressAggrRate
Type	INT
Minimum	1
Maximum	2500000
Default	500000
Tab|Panel	QoS|Access Ingress
Description	System-wide aggregate rate to be applied to Access Ingress of every MDA. aluSystemAccessIngAggrRate is only supported on Alcatel-lucent SAR-M. It is set to 0 on other platforms, indicating it's not applicable, and it's not changable.

Table 100-5 Aggregate Rate

Name	Value
Displayed name	Aggregate Rate
OSS name	networkIngressAggrRate
Type	INT

(1 of 2)

Name	Value
Minimum	1
Maximum	2500000
Default	2000000
Tab|Panel	QoS|Network Ingress
Description	System-wide aggregate rate to be applied to Network Ingress of every MDA in the system. aluSystemNetworkIngAggrRate is only supported on Alcatel-lucent SAR-M. It is set to 0 on other platforms, indicating it's not applicable, and it's not changable.

(2 of 2)

Table 100-6 Alarm Management

Name	Value
Displayed name	Alarm Management
OSS name	alarmAdminStatus
Type	netw.AlarmMgmtEnableDisable
Default	Enabled
Tab|Panel	Globals.Alarm Management|General
Description	The alarmAdminStatus specifies whether or not alarm management is operationally 'enabled(1)' on the system, or 'disabled(2).' This is a system-wide configuration.
Enumerated types	
Disabled	
Enabled	

Table 100-7 Alternate Element Manager

Name	Value
Displayed name	Alternate Element Manager
OSS name	elementManagerCmd
Type	STRING
Maximum	500
Default	N/A
Tab|Panel	General|Generic NE
Description	It is used to specify the command for the NE for the alternate element management application. The IP address can be identified as a tag in the URL with %IP%.

Table 100-8 Assigned Event Notification Policy

Name	Value
Displayed name	Assigned Event Notification Policy
OSS name	eventNotificationPolicyPointer
Type	POINTER
Tab|Panel	Polling.General|General
Description	Pointer to the Even Notification Policy applicable on this Network Element. If unchanged, the default Policy applicable to the respective silo will be applied.

Table 100-9 ATM OAM Loopback Location ID

Name	Value
Displayed name	ATM OAM Loopback Location ID
OSS name	atmOamLoopbackLocationId
Type	STRING
Minimum	0
Maximum	47
Default	01:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00
Tab|Panel	ATM|ATM OAM

Table 100-10 ATM OAM Loopback Period

Name	Value
Displayed name	ATM OAM Loopback Period
OSS name	atmOamLoopbackPeriod
Type	INT
Minimum	1
Maximum	40
Default	10
Tab|Panel	ATM|ATM OAM

Table 100-11 Auto Revert to Preferred

Name	Value
Displayed name	Auto Revert to Preferred
OSS name	isMgmtIpAutoRevertive

(1 of 2)

100 — Network Element

Name	Value
Type	BOOL
Default	false
Tab|Panel	Polling.Management|Management Preference

(2 of 2)

Table 100-12 Bandwidth Policy

Name	Value
Displayed name	Bandwidth Policy
OSS name	mpBwObjectPointer
Type	POINTER
Default	N/A
Tab|Panel	Globals.Multipoint Management|General

Table 100-13 Chassis Type

Name	Value
Displayed name	Chassis Type
OSS name	chassisType
Type	equipment.ShelfType
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Enumerated types	
1830 PSS 16	
1830 PSS 1 AHP	
1830 PSS 1 GBEH	
1830 PSS 1 MD4H	
1830 PSS 32	
1830 PSS 32s	
1830 PSS 36	
1830 PSS 4	
DCM :Dispersion Compensation Module Shelf	
ITLB: Interleaver Shelf, Bidirectional	
ITLU: Interleaver Shelf, Unidirectional	
1830 PSS 16 Shelf	

(1 of 7)

Name	Value
1830 PSS 32s 1.2T Shelf	
1830 PSS 32s 1.6T Shelf	
1830 PSS 32 Shelf	
1830 PSS 36 Shelf	
1830 PSS 4 Shelf	
SFD 40 B:Static Filter DWDM 40 Odd Channel Shelf	
SFD 40: Static Filter DWDM 40 Even Channel Shelf	
SFD 44 B :Static Filter DWDM 44 Odd Channel Shelf	
SFD 44: Static Filter DWDM 44 Even Channel Shelf	
1830 PSS Universal Shelf	
Empty Shelf	
Master Shelf	
Unknown Shelf	
OmniSwitch 10K	
OS6250-24	
OS6250-24M	
OS6250-24MD	
OS6250-8M	
OmniSwitch 6250	
OS6250-P24	
OS6400-24	
OS6400-48	
OmniSwitch 6400	
OS6400-DU24	
OS6400-P24	
OS6400-P48	
OS6400-U24	
OS6450-10	
OS6450-10L	
OS6450-24	
OS6450-24L	
OS6450-48	
OS6450-48L	
OS6450-P10	
OS6450-P10L	
OS6450-P24	
OS6450-P24L	

(2 of 7)

Name	Value
OS6450-P48	
OS6450-P48L	
OS6450-U24	
OS6850-24	
OS6850-24L	
OS6850-24LU	
OS6850-24X	
OS6850-48	
OS6850-48L	
OS6850-48LU	
OS6850-48X	
OmniSwitch 6850	
OS6850-P24	
OS6850-P24L	
OS6850-P24LU	
OS6850-P24X	
OS6850-P48	
OS6850-P48L	
OS6850-P48LU	
OS6850-P48X	
OS6850-U24X	
OS6850E-24	
OS6850E-24X	
OS6850E-48	
OS6850E-48X	
OmniSwitch 6850E	
OS6850E-P24	
OS6850E-P24X	
OS6850E-P48	
OS6850E-P48X	
OS6850E-U24X	
OS6855-14	
OS6855-24	
OmniSwitch 6855	
OmniSwitch 6855-U24X	
OS6855-U10	
OS6855-U24	

(3 of 7)

Name	Value
OS6855-U24X	
OmniSwitch 6900-T20	
OmniSwitch 6900-T40	
OmniSwitch 6900-X20	
OmniSwitch 6900-X40	
OmniSwitch 9600	
OmniSwitch 9700	
OmniSwitch 9700E	
OmniSwitch 9800	
OmniSwitch 9800E	
NUAGE-VSC-1	
NUAGE-1	
5780 DSC - ATCA	
5780 DSC - CSB	
5780 DSC - DCP	
5780 DSC - Non-ATCA	
5780 DSC - PCRF	
E-NODEB	
9412 D2U E-NODEB FDD	
9412 D2U E-NODEB Indoor FDD	
9412 D2U E-NODEB Outdoor with AMR FDD	
9412 D2U E-NODEB Outdoor without AMR FDD	
9412 D2U E-NODEB TDD	
9412 D2U E-NODEB Indoor TDD	
9412 D2U E-NODEB Outdoor with AMR TDD	
9412 D2U E-NODEB Outdoor without AMR TDD	
9412 D2U BUILT-IN EAM E-NODEB TDD	
9763 MCI FAM E-NODEB FDD	
9764 MCO FAM E-NODEB FDD	
9764 MCO FAM Adv E-NODEB FDD	
9764 MCO TRF E-NODEB FDD	
9926 D2U E-NODEB FDD	
9926 D2U E-NODEB TDD	
Pre-Provisioned E-NODEB	
7450-ESS12	
7450-ESS1	
7450-ESS24	

(4 of 7)

Name	Value
7450-ESS4	
7450-ESS6	
7450-ESS6V	
7450-ESS7	
GNE	
HIP Chassis	
7750-SR12-MG	
7750-SR7-MG	
MDR-8000E-Compak	
MDR-8000E-Standard	
MDR-8000i	
MDR-8000s	
MDR-8000u	
MDR 8000-Compact	
MDR 8000-Hot-Standby	
9471 MME	
9500 MPR-A Chassis 1	
9500 MPR-E Chassis 1	
9500 MPR-A Chassis 4	
9500 MPR-E Chassis 4	
9500 MPR-A	
9500 MPR-E	
MSS-1	
MSS-4	
MSS-8	
9500 MPRe	
7705-SAR18	
7705-SAR8	
7705-SAR8 v2	
7705-SARF	
7705 SAR-H	
7705 SAR-Hc	
7705-SARM ASAP	
7705-SARM ASAP FL	
7705 SAR-A	
7705 SAR-A T1/E1	
7705-SARM	

(5 of 7)

Name	Value
7705-SARM FL	
7705 SAR-W	
7705 SAR-Wx (4GE xDSL)	
7705 SAR-Wx (4GE xDSL GPS Rx)	
7705 SAR-Wx (5GE)	
7705 SAR-Wx (5GE GPS Rx)	
7705 SAR-Wx (5GE PoE+)	
7705 SAR-Wx (5GE PoE+ GPS Rx)	
7250 SAS ES	
7250 SAS ESA	
7250 SAS	
7210 SAS-D-6F-4T	
7210 SAS-D-6F-4T ETR	
7210 SAS-E	
7210 SAS-M-24F	
7210 SAS-M-24F-2XFP	
7210 SAS-M-24F-2XFP ETR	
7210 SAS-M-24F ETR	
7210 SAS-R6	
7210 SAS-T-12F-10T-4XFP	
7210 SAS-T-12F-10T-4XFP ETR	
7210 SAS-X-24F-2XFP	
9471 SGSN	
7701 CPAA	
7750-SR12	
7750-SRc12	
7750-SR12e	
7750-SR1	
7750-SR24	
7750-SRc4	
7750-SR4	
7710-SRc12	
7710-SRc4	
7750-SR7	
9471 SRS	
T4R	
T5 Compact 24F	

(6 of 7)

Name	Value
T5 Compact 24G	
T5 Compact 24GT	
T5 Compact 24T	
T5 Compact 48T	
T5R	
Unknown	
9471 WMM	
7950-XRS16	
7950-XRS20	

(7 of 7)

Table 100-14 ChassisTypeDescription

Name	Value
Displayed name	ChassisTypeDescription
OSS name	chassisTypeDescription
Type	STRING
Maximum	255
Read-only	yes
Tab|Panel	General|General

Table 100-15 Concurrent Active Session Count

Name	Value
Displayed name	Concurrent Active Session Count
OSS name	secActiveSessionCount
Type	LONG
Tab|Panel	Security|General

Table 100-16 Concurrent Active Session Limit

Name	Value
Displayed name	Concurrent Active Session Limit
OSS name	secActiveSessionLimit
Type	LONG
Tab|Panel	Security|General

Table 100-17 Config File Status

Name	Value
Displayed name	Config File Status
OSS name	configFileStatus
Type	INT
Default	unspecified
Read-only	yes
Tab|Panel	Polling.General|Boot Configuration Status

Table 100-18 Console Alarm Input

Name	Value
Displayed name	Console Alarm Input
OSS name	consoleAlarmInput
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Specifies whether or not the console port is enabled for dry contact alarm sensors. You must enable the parameter to configure dry contacts. The console port is not available for other purposes when the parameter is enabled

Table 100-19 Custom Property 1

Name	Value
Displayed name	Custom Property 1
OSS name	customProperty1
Type	STRING
Maximum	80
Default	N/A
Tab|Panel	General|Custom Properties
Description	The label for the network element Custom Property 1 can be modified using the System Preferences form on the 5620 SAM GUI. If you use XML, always use the attribute name "customProperty1".

Table 100-20 Custom Property 2

Name	Value
Displayed name	Custom Property 2
OSS name	customProperty2
Type	STRING
Maximum	80
Default	N/A
Tab|Panel	General|Custom Properties
Description	The label for the network element Custom Property 2 can be modified using the System Preferences form on the 5620 SAM GUI. If you use XML, always use the attribute name "customProperty2".

Table 100-21 Custom Property 3

Name	Value
Displayed name	Custom Property 3
OSS name	customProperty3
Type	STRING
Maximum	80
Default	N/A
Tab|Panel	General|Custom Properties
Description	The label for the network element Custom Property 3 can be modified using the System Preferences form on the 5620 SAM GUI. If you use XML, always use the attribute name "customProperty3".

Table 100-22 Descriptor Version

Name	Value
Displayed name	Descriptor Version
OSS name	descriptorVersion
Type	STRING
Maximum	255
Read-only	yes
Tab|Panel	General|General
Description	Indicate the descriptor version (nodal communication + feature availability + capability) used by this Network Element.

Table 100-23 DNS Domain

Name	Value
Displayed name	DNS Domain
OSS name	sbiDnsDomain
Type	STRING
Maximum	252
Tab|Panel	Polling.General|Bof Configuration

Table 100-24 Element Management URL

Name	Value
Displayed name	Element Management URL
OSS name	elementManagerUrl
Type	STRING
Maximum	500
Tab|Panel	General|Generic NE
Description	It is used to specify the URL for the NE for element management. The IP address can be identified as a tag in the URL with %IP%.

Table 100-25 Enable L3 Management Interface

Name	Value
Displayed name	Enable L3 Management Interface
OSS name	isL3MgmtItfEnabled
Type	BOOL
Default	false
Tab|Panel	Polling.Management|In Band

Table 100-26 Enable Q in Q Untagged Sap

Name	Value
Displayed name	Enable Q in Q Untagged Sap
OSS name	qinqUntaggedSap
Type	BOOL
Default	false
Tab|Panel	Globals.Ethernet|General

(1 of 2)

Name	Value
Description	The value of qinqUntaggedSap controls the forwarding of packets on a QinQ X.0 access SAP. When qinqUntaggedSap is set to true, the SAP will only accept: - frames with a single tag matching the SAP's outer tag or, - frames with double tag where the outer tag matches the SAP's outer tag and inner tag is set to 0. When qinqUntaggedSap is set to false, forwarding of packets remains unchanged.

(2 of 2)

Table 100-27 Enable SNMP Streaming

Name	Value
Displayed name	Enable SNMP Streaming
OSS name	snmpStreamEnable
Type	BOOL
Default	false
Tab|Panel	Polling.Management|Management Preference

Table 100-28 eNodeB Equipment

Name	Value
Displayed name	eNodeB Equipment
OSS name	equipmentPointer
Type	POINTER
Tab|Panel	General|ENB Base Configuration
Description	Pointer to the Equipment on this Network Element.

Table 100-29 External EMS

Name	Value
Displayed name	External EMS
OSS name	externalEms
Type	STRING
Maximum	500
Tab|Panel	General|General
Description	It is used to specify the Installation Path for the External Apllication to be launched. The path is compatible to Windows,Linux,Solaris Path formats where the client is installed. The installation path must be located where the client is installed

Table 100-30 Feeder Port

Name	Value
Displayed name	Feeder Port
OSS name	feederPort
Type	POINTER
Tab|Panel	Globals.AOS OAM|General
Description	The port to be used to feed the test traffic only to generator port of a group. If the feeder port value is zero, it implies that feeder port is not created in the system. Applicable to AOS 6250 Metro nodes

Table 100-31 Global RADIUS Operational State

Name	Value
Displayed name	Global RADIUS Operational State
OSS name	radiusOperState
Type	INT
Default	no
Tab|Panel	Globals.RADIUS|NE Authentication

Table 100-32 Hi-Water-Mark

Name	Value
Displayed name	Hi-Water-Mark
OSS name	secActiveSessionHiWtrMrk
Type	LONG
Minimum	0
Maximum	100
Default	0
Units	%
Tab|Panel	Security|Water Mark Settings (Active Sessions)

Table 100-33 Id-Permission

Name	Value
Displayed name	Id-Permission
OSS name	mhfIdPermission

(1 of 2)

Name	Value
Type	ethernetoam.Dot1agCfmIdPermissionEnum
Default	none
Tab|Panel	Globals.CFM|Default Maintenance Domain
Description	Enumerated value indicating what, if anything, is to be included in the Sender ID TLV (21.5.3) transmitted by MHFs created by the Default Maintenance Domain, for each dot1agCfmDefaultMdEntry whose dot1agCfmDefaultMdIdPermission object contains the value sendIdDefer. Since, in this variable, there is no encompassing Maintenance Domain, the value sendIdDefer is not allowed. After this initialization, this object needs to be persistent upon reboot or restart of a device.
Enumerated types	
chassis	
chassisManage	
defer	
manage	
none	

(2 of 2)

Table 100-34 IP Load Balancing

Name	Value
Displayed name	IP Load Balancing
OSS name	ipLoadBalancing
Type	netw.IpLoadBalancing
Default	Standard
Tab|Panel	Globals.Load Balancing|General
Description	The value of tmnxIpLoadBalancing specifies whether or not this node's system IP address is used in the final stage of the load balancing (hashing) algorithm used to choose the LAG member or ECMP route for an outbound packet. If 'systemIp' is selected, this node's system IP address (i.e. TIMETRA-VRTR-MIB::vRiaIpAddress.1.1.1) is used in the final stage of the LAG and ECMP load balancing algorithm. 'systemIp' is supported on iom3-xp IOMs, equivalent IMMs, and newer IOM and IMM types. When older IOMs/IMMs are present in a system which has 'systemIp' configured, the older IOMs operate in 'standard' mode. If 'standard' is selected, this node's system IP address is not used in the final stage of the LAG and ECMP load balancing algorithm. 'standard' is supported on all IOM and IMM types. The earlier stages of the load balancing algorithm are controlled by tmnxL4LoadBalancing and tmnxLsrIpLoadBalancing (when applicable).
Enumerated types	
Standard	
System IP	

Table 100-35 IP Next Hop Limit

Name	Value
Displayed name	IP Next Hop Limit
OSS name	subSysNextHopLimit
Type	LONG
Minimum	0
Maximum	16383
Default	16383
Tab|Panel	Globals.Subscriber Management|General
Description	This value specifies the maximum number of IP next-hop entries available for subscriber management host's managed routes.

Table 100-36 IP Next Hop Usage High

Name	Value
Displayed name	IP Next Hop Usage High
OSS name	subSysNextHopUsageHigh
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	Globals.Subscriber Management|General
Description	This value indicates if the IP next-hop usage is near the limit specified with the value of subSysNextHopLimit.

Table 100-37 L3 Management Interface

Name	Value
Displayed name	L3 Management Interface
OSS name	inBandL3ManagementIf
Type	INETADDR
Default	0.0.0.0
Tab|Panel	Polling.Management|In Band
Description	The L3 network interface or IES used to manage the node.

Table 100-38 L4 Load Balancing

Name	Value
Displayed name	L4 Load Balancing
OSS name	l4LoadBalancing
Type	BOOL
Default	false
Tab|Panel	Globals.Load Balancing|General

Table 100-39 Last Resync End Time

Name	Value
Displayed name	Last Resync End Time
OSS name	lastTimeResyncEnded
Type	DATE
Default	0
Read-only	yes
Tab|Panel	Polling.General|General

Table 100-40 Last Resync Start Time

Name	Value
Displayed name	Last Resync Start Time
OSS name	lastTimeResyncStarted
Type	DATE
Default	0
Read-only	yes
Tab|Panel	Polling.General|General

Table 100-41 Last Saved Result

Name	Value
Displayed name	Last Saved Result
OSS name	natDetScriptSaveResult
Type	netw.NatDetScriptSaveResult
Default	None

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	Globals.Subscriber Management|NAT Deterministic Script
Description	This value indicates the result of the last saved Deterministic NAT script result action.
Enumerated types	
Failed	
In Progress	
None	
Success	

(2 of 2)

Table 100-42 Last Saved Time

Name	Value
Displayed name	Last Saved Time
OSS name	natDetScriptSaveTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	Globals.Subscriber Management|NAT Deterministic Script
Description	This value indicates when the Deterministic NAT script was last saved successfully.

Table 100-43 Last Scheduled Resync End Time

Name	Value
Displayed name	Last Scheduled Resync End Time
OSS name	lastTimeScheduledResyncEnded
Type	DATE
Default	0
Read-only	yes
Tab|Panel	Polling.General|General

Table 100-44 Last Scheduled Resync Start Time

Name	Value
Displayed name	Last Scheduled Resync Start Time

(1 of 2)

Name	Value
OSS name	lastTimeScheduledResyncStarted
Type	DATE
Default	0
Read-only	yes
Tab|Panel	Polling.General|General

(2 of 2)

Table 100-45 Latitude(degrees)

Name	Value
Displayed name	Latitude(degrees)
OSS name	latitudeInDegrees
Type	FLOAT
Minimum	-90
Maximum	90
Default	0
Tab|Panel	General|Latitude/Longitude Configuration
Description	The latitude of the node location in degrees

Table 100-46 Level

Name	Value
Displayed name	Level
OSS name	maintDomainLevel
Type	INT
Minimum	0
Maximum	7
Default	0
Tab|Panel	Globals.CFM|Default Maintenance Domain
Description	A value indicating the MD Level at which MHFs are to be created, and Sender ID TLV transmission by those MHFs is to be controlled, for each dot1agCfmDefaultMdEntry whose dot1agCfmDefaultMdLevel object contains the value -1. After this initialization, this object needs to be persistent upon reboot or restart of a device.

Table 100-47 LI Local Save Allowed

Name	Value
Displayed name	LI Local Save Allowed
OSS name	liLocalSaveAdmin
Type	generic.TruthValue
Tab|Panel	Polling.General|Bof Configuration
Description	Admin value of li-local-save. Specifies whether or not Lawful Intercept (LI) configuration is allowed to be save to a local file. A change to the value of this object does not take affect until the system is rebooted.

Table 100-48 Location

Name	Value
Displayed name	Location
OSS name	location
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 100-49 Longitude(degrees)

Name	Value
Displayed name	Longitude(degrees)
OSS name	longitudeInDegrees
Type	FLOAT
Minimum	-180
Maximum	180
Default	0
Tab|Panel	General|Latitude/Longitude Configuration
Description	The longitude of the node location in degrees

Table 100-50 Low-Water-Mark

Name	Value
Displayed name	Low-Water-Mark

(1 of 2)

Name	Value
OSS name	secActiveSessionLoWtrMrk
Type	LONG
Minimum	0
Maximum	100
Default	0
Units	%
Tab|Panel	Security|Water Mark Settings (Active Sessions)

(2 of 2)

Table 100-51 LSR IP Load Balancing

Name	Value
Displayed name	LSR IP Load Balancing
OSS name	lsrIpLoadBalancing
Type	netw.LsrIpLoadBalancing
Default	Label Only
Tab|Panel	Globals.Load Balancing|General
Description	The value of lsrIpLoadBalancing specifies whether the IP Header is used in the LAG and ECMP LSR hashing algorithm. This is the global system setting that all ports will inherit. When set to 'label_only' only the label is used in the hashing algorithm. When set to 'label_ip', the IP Header is included in the hashing algorithm. When set to 'ip_only' the IP Header is used exclusively in the hashing Algorithm. When set to 'ethEncapIP' the IP SA/DA fields is used in the hashing Algorithm.
Enumerated types	
Ethernet Encapsulated IP	
IP Only	
Label IP	
Label Only	

Table 100-52 MAC Notification Count

Name	Value
Displayed name	MAC Notification Count
OSS name	macNotifCount
Type	INT
Minimum	1
Maximum	10
Default	3
Tab|Panel	Globals.Service.General|General

(1 of 2)

Name	Value
Description	The value of macNotifCount specifies number of MAC notification messages to be sent.

(2 of 2)

Table 100-53 MAC Notification Interval

Name	Value
Displayed name	MAC Notification Interval
OSS name	macNotifInterval
Type	INT
Minimum	1
Maximum	100
Default	1
Tab|Panel	Globals.Service.General|General
Description	The value of macNotifInterval specifies time-interval between subsequent MAC notification messages.

Table 100-54 Mac-Swap Port

Name	Value
Displayed name	Mac-Swap Port
OSS name	noServicePort
Type	POINTER
Tab|Panel	Globals.Service.General|Loopback No Service Ports
Description	The port to be used for loopback and hence cannot be used as a SAP.

Table 100-55 Management IP Address

Name	Value
Displayed name	Management IP Address
OSS name	outOfBandAddress
Type	STRING
Maximum	50
Default	0.0.0.0
Mandatory on creation	yes
Tab|Panel	Polling.Management|Out Of Band
Description	This represents the NE's management port address.

Table 100-56 Management IP Selection

Name	Value
Displayed name	Management IP Selection
OSS name	mgmtIpRule
Type	netw.PollingRule
Default	Out Of Band Only
Tab|Panel	Polling.Management|Management Preference
Enumerated types	
In Band Preferred	
In Band Only	
Out Of Band Preferred	
Out Of Band Only	
Primary Preferred	
Primary Only	
Secondary Preferred	
Secondary Only	

Table 100-57 Maximum Cleared Alarms

Name	Value
Displayed name	Maximum Cleared Alarms
OSS name	maxClearedAlarms
Type	INT
Minimum	0
Maximum	500
Default	500
Tab|Panel	Globals.Alarm Management|General
Description	This attribute specifies the maximum number of cleared alarms to store in the alarmClearTable. When this number is reached, the cleared alarms with the earliest clear time will be removed from the table

Table 100-58 MHF-Creation

Name	Value
Displayed name	MHF-Creation
OSS name	mhfCreation
Type	ethernetoam.MhfCreationEnum

(1 of 2)

Name	Value
Default	none
Tab|Panel	Globals.CFM|Default Maintenance Domain
Description	A value indicating if the Management entity can create MHFs (MIP Half Function) for the VID, for each dot1agCfmDefaultMdEntry whose dot1agCfmDefaultMdMhfCreation object contains the value defMHFdefer. Since, in this variable, there is no encompassing Maintenance Domain, the value defMHFdefer is not allowed. After this initialization, this object needs to be persistent upon reboot or restart of a device.
Enumerated types	
default Description: MHFs can be created on this VID on any Bridge port through which this VID can pass.	
defer Description: MHFs can be created for this VID only on Bridge ports through which this VID can pass, and only if a MEP is created at some lower MD Level.	
explicit Description: MHFs can be created for this VID only on Bridge ports through which this VID can pass, and only if a MEP is created at some lower MD Level.	
none Description: No MHFs can be created for this VID.	
static Description: Multiple MHFs can be created on the primary VID on any bridge port through which this primary VID can pass, provided that any existing MEP is created at a lower MD level.	

(2 of 2)

Table 100-59 Mirror Port

Name	Value
Displayed name	Mirror Port
OSS name	mirrorPort
Type	POINTER
Tab|Panel	Globals.Service.General|Loopback No Service Ports
Description	This port is used for dot1Q mirroring

Table 100-60 Multicast Enhanced Load Balancing

Name	Value
Displayed name	Multicast Enhanced Load Balancing
OSS name	mcEnhLoadBal
Type	generic.TruthValue
Tab|Panel	Globals.Load Balancing|General

100 — Network Element

Table 100-61 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 100-62 NTP State

Name	Value
Displayed name	NTP State
OSS name	ntpStatus
Type	ntp.NtpStatus
Default	Disabled
Tab|Panel	General|NTP
Enumerated types	
Enabled	
Disabled	

Table 100-63 Number of Tries For Down State

Name	Value
Displayed name	Number of Tries For Down State
OSS name	atmOamRetryDown
Type	INT
Minimum	0
Maximum	10
Default	4
Tab|Panel	ATM|ATM OAM

Table 100-64 Number of Tries For Up State

Name	Value
Displayed name	Number of Tries For Up State
OSS name	atmOamRetryUp
Type	INT
Minimum	0
Maximum	10
Default	2
Tab|Panel	ATM|ATM OAM

Table 100-65 Operational State Transition Interval

Name	Value
Displayed name	Operational State Transition Interval
OSS name	sysBfdFlapInterval
Type	INT
Minimum	0
Maximum	30
Default	0
Units	seconds
Tab|Panel	Globals.BFD|General
Description	Specifies the system-wide interval (in seconds) for which a BFD session on an interface transitions from Up to Down and back to Up. A BFD Session Flapped alarm will be raised. This value can be overridden on a per-interface basis.

Table 100-66 PBB Source Backbone MAC Address

Name	Value
Displayed name	PBB Source Backbone MAC Address
OSS name	pbbSrcBVplsMacAddr
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	Globals.Service.General|General
Description	The value of svcPbbSrcBVplsMacAddr specifies the source Backbone MAC-Address to be used for Provider Backbone Bridging (PBB) packets. Value of default for this object indicates that chassis MAC address will be used for PBB packets.

Table 100-67 Persistent Index Status

Name	Value
Displayed name	Persistent Index Status
OSS name	persistentIndexStatus
Type	INT
Default	unspecified
Read-only	yes
Tab|Panel	Polling.General|Boot Configuration Status

Table 100-68 Persistent SNMP Indices

Name	Value
Displayed name	Persistent SNMP Indices
OSS name	persistentSnmpIndices
Type	generic.TruthValue
Tab|Panel	Polling.General|General

Table 100-69 Policy Count

Name	Value
Displayed name	Policy Count
OSS name	secPlcyCount
Type	LONG
Tab|Panel	Security|General

Table 100-70 PPS Message Type

Name	Value
Displayed name	PPS Message Type
OSS name	todPpsMessageType
Type	netw.TodMessageType
Default	0
Tab|Panel	General|Time Of Day
Description	The todPpsMessageType indicated the message type that is sent after the 1 second pulse.
Enumerated types	

(1 of 2)

Name	Value
Cm	
Ct	
IRIGB 002-122	
IRIGB 003-123	
IRIGB 006-126	
IRIGB 007-127	
Unknown	

(2 of 2)

Table 100-71 PPS Output

Name	Value
Displayed name	PPS Output
OSS name	todPpsOutput
Type	netw.TodAdministrativeState
Default	3
Tab|Panel	General|Time Of Day
Description	The admin state of the Time Of Day - 1 Pulse Per Second (TOD-1PPS) output port.
Enumerated types	
Down	
Not Operational	
Up	

Table 100-72 Primary DNS

Name	Value
Displayed name	Primary DNS
OSS name	sbiPrimaryDns
Type	INETADDR
Default	0.0.0.0
Tab|Panel	Polling.General|Bof Configuration

Table 100-73 Primary Route Preference

Name	Value
Displayed name	Primary Route Preference

(1 of 2)

Name	Value
OSS name	primaryRoutePreference
Type	netw.PrimaryEventRoutePreference
Default	Out Of Band
Tab|Panel	Polling.Management|Notifications Preferred Management
Description	The value of tmnxEventPrimaryRoutePref specifies the primary routing preference for traffic generated for SNMP notifications and syslog messages. A value of 'inband' specifies that the Logging utility will attempt to use the Base routing context to send SNMP notifications and syslog messages to remote destinations. A value of 'outband' specifies that the Logging utility will attempt to use the management routing context to send SNMP notifications and syslog messages to remote destinations. If the remote destination, as specified by tmnxStdDestAddr or tmnxSyslogTargetAddr, is not reachable via the routing context specified by tmnxEventPrimaryRoutePref, the secondary routing preference as specified by tmnxEventSecondaryRoutePref will be attempted.
Enumerated types	
In Band	
Out Of Band	

(2 of 2)

Table 100-74 Product Definition

Name	Value
Displayed name	Product Definition
OSS name	genericNeProfilePointer
Type	POINTER
Default	N/A
Read-only	yes
Tab|Panel	General|Generic NE

Table 100-75 Profile Count

Name	Value
Displayed name	Profile Count
OSS name	secProfileCount
Type	LONG
Tab|Panel	Security|General

Table 100-76 QoS Classification

Name	Value
Displayed name	QoS Classification
OSS name	inFlowClassificationMode
Type	netw.QoSClassification
Default	Disabled
Tab|Panel	QoS|Quality of Service
Enumerated types	
802.1p	
DiffServ	
Disabled	

Table 100-77 RADIUS CoA Port

Name	Value
Displayed name	RADIUS CoA Port
OSS name	radiusCoAPort
Type	netw.RadiusCoAPortType
Default	3799
Tab|Panel	Globals.RADIUS|Subscriber AAA Configuration
Description	The RADIUS CoA Port parameter specifies the UDP port to receive change of authorization messages. When the routing instance is bound to a RADIUS proxy server and the RADIUS CoA port is set to 1812, all CoA messages will be received by the RADIUS proxy server and dropped by port 1812.
Enumerated types	
1647	
1700	
1812	
3799	

Table 100-78 Redundant Synchronization Mode

Name	Value
Displayed name	Redundant Synchronization Mode
OSS name	redundantSynchronizationMode
Type	INT
Default	none

(1 of 2)

100 — Network Element

Name	Value
Tab|Panel	Polling.General|General

(2 of 2)

Table 100-79 Remote URL

Name	Value
Displayed name	Remote URL
OSS name	natDetScriptLocation
Type	STRING
Minimum	0
Maximum	180
Tab|Panel	Globals.Subscriber Management|NAT Deterministic Script
Description	This value specifies the URL of the Deterministic NAT script that this system generates to allow offline calculation of Deterministic NAT.

Table 100-80 Resource Group ID

Name	Value
Displayed name	Resource Group ID
OSS name	resourceGroupId
Type	INT
Minimum	0
Maximum	2147483647
Default	0
Tab|Panel	General|General
Description	The resource group that this network element belongs to. This assigment governs which worker pool resources will be used to service this router.

Table 100-81 Resync Status

Name	Value
Displayed name	Resync Status
OSS name	resyncStatus
Type	netw.NeResyncStatus
Default	Not Attempted
Read-only	yes
Tab|Panel	Polling.General|General

(1 of 2)

Name	Value
Enumerated types	
Full Resync Aborted	
Full Resync Done	
Partial Resync Done	
Full Resync Failed	
Partial Resync Failed	
Not Attempted	
Requested	
In Progress	

(2 of 2)

Table 100-82 Save Needed

Name	Value
Displayed name	Save Needed
OSS name	natDetScriptSaveNeeded
Type	netw.NatDetScriptSaveNeeded
Default	No
Read-only	yes
Tab|Panel	Globals.Subscriber Management|NAT Deterministic Script
Description	This value indicates if the Deterministic NAT map has changed and hence needs to be saved.
Enumerated types	
Yes	
No	

Table 100-83 Scheduled Polling

Name	Value
Displayed name	Scheduled Polling
OSS name	resyncState
Type	INT
Default	enabled
Tab|Panel	Polling.General|General

Table 100-84 Scheduled Resync Status

Name	Value
Displayed name	Scheduled Resync Status
OSS name	scheduledResyncStatus
Type	netw.NeScheduledResyncStatus
Default	Not Attempted
Read-only	yes
Tab|Panel	Polling.General|General
Enumerated types	
Scheduled Resync Done	
Scheduled Resync Failed	
Not Attempted	
In Progress	

Table 100-85 Secondary DNS

Name	Value
Displayed name	Secondary DNS
OSS name	sbiSecondaryDns
Type	INETADDR
Default	0.0.0.0
Tab|Panel	Polling.General|Bof Configuration

Table 100-86 Secondary Route Preference

Name	Value
Displayed name	Secondary Route Preference
OSS name	secondaryRoutePreference
Type	netw.SecondaryEventRoutePreference
Default	In Band
Tab|Panel	Polling.Management|Notifications Preferred Management

(1 of 2)

Name	Value
Description	The value of tmnxEventSecondaryRoutePref specifies the secondary routing preference for traffic generated for SNMP notifications and syslog messages. The routing context specified by the tmnxEventSecondaryRoutePref will be attempted if the remote destination was not reachable by the primary routing preference, specified by tmnxEventPrimaryRoutePref. The value specified for tmnxEventSecondaryRoutePref must be distinct from the value for tmnxEventPrimaryRoutePref. A value of 'inband' specifies that the Logging utility will attempt to use the Base routing context to send SNMP notifications and syslog messages to remote destinations. A value of 'outband' specifies that the Logging utility will attempt to use the management routing context to send SNMP notifications and syslog messages to remote destinations. A value of 'none' specifies that no attempt will be made to send SNMP notifications and syslog messages to remote destinations. If the remote destination, as specified by tmnxStdDestAddr or tmnxSyslogTargetAddr, is not reachable via the routing contexts specified by tmnxEventPrimaryRoutePref and tmnxEventSecondaryRoutePref, the Log utility will fail to send SNMP notifications and syslog messages to the remote destination.
Enumerated types	
In Band	
None	
Out Of Band	

(2 of 2)

Table 100-87 Separate LI Administration

Name	Value
Displayed name	Separate LI Administration
OSS name	liSeparateAdmin
Type	generic.TruthValue
Tab|Panel	Polling.General|Bof Configuration
Description	Admin value of li-separate. Specifies whether or not a non-LI user has access to Lawful Intercept (LI) information. When the value is 'true', a user who does not have the TMETRA-SECURITY-MIB::tmnxUserAccess 'li' bit set will not be allowed to access CLI or SNMP objects in the 'li' context. A change to the value of this object does not take affect until the system is rebooted.

Table 100-88 Service ID Lag Hashing

Name	Value
Displayed name	Service ID Lag Hashing
OSS name	svcIdLagHashing
Type	generic.TruthValue
Tab|Panel	Globals.Load Balancing|General

(1 of 2)

Name	Value
Description	The value specifies how the node distributes LAG link traffic in a VLL service when both ECMP and LAG load balancing are performed. The default value, 'false (1),' preserves the behaviour prior to the introduction of this object: the ingress IOM will select one ECMP interface and one LAG link for all packets on the VLL service based on a modulo of the service ID. The value of 'true (2)' introduces an enhanced distribution which hashes the service-id prior to the LAG link modulo operation.

(2 of 2)

Table 100-89 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 100-90 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 100-91 SNMP Reachability

Name	Value
Displayed name	SNMP Reachability
OSS name	reachability
Type	netw.NeReachability
Read-only	yes
Tab|Panel	Polling.General|General

(1 of 2)

Name	Value
Description	Indicates if the 5620 SAM server recieved a responce from the network element for the last connectivity check.

(2 of 2)

Table 100-92 Software Upgrade Transition States

Name	Value
Displayed name	Software Upgrade Transition States
OSS name	softwareUpgradeTransitionStatesPointer
Type	POINTER
Tab|Panel	General|ENB Base Configuration
Description	Pointer to the Software Upgrade Transition States

Table 100-93 Software Version

Name	Value
Displayed name	Software Version
OSS name	version
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 100-94 State

Name	Value
Displayed name	State
OSS name	reconfigState
Type	netw.ReconfigState
Default	Not Attempted
Read-only	yes
Tab|Panel	General|Reconfig
Description	Shows the state of the reconfig action.
Enumerated types	
Failed	
In Progress	

(1 of 2)

Name	Value
Not Attempted	
Succeeded	

(2 of 2)

Table 100-95 State

Name	Value
Displayed name	State
OSS name	neState
Type	netw.NetworkElementState
Default	Managed
Read-only	yes
Tab|Panel	General|General
Description	The state of the network element.
Enumerated types	
Managed	
Node Configuration Fallback	
Node Configuration Misalignment	
Node Database Corrupted	
Node Software Misalignment	
Pre-provisioned	
Management Suspended	

Table 100-96 Sys Object ID

Name	Value
Displayed name	Sys Object ID
OSS name	sysObjectId
Type	STRING
Minimum	0
Maximum	255
Read-only	yes
Tab|Panel	General|Generic NE

Table 100-97 System Description

Name	Value
Displayed name	System Description
OSS name	sysDescription
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|General

Table 100-98 System ID (Loopback IP Address)

Name	Value
Displayed name	System ID (Loopback IP Address)
OSS name	systemAddress
Type	STRING
Maximum	64
Mandatory on creation	yes
Tab|Panel	General|General
Description	The IPv4 address assigned to a router's interface

Table 100-99 System IP Address

Name	Value
Displayed name	System IP Address
OSS name	inBandSystemAddress
Type	STRING
Maximum	50
Default	0.0.0.0
Mandatory on creation	yes
Tab|Panel	Polling.Management|In Band
Description	The loopback address assigned to a router's interface used by SAM to manage the node and it can be reachable from SAM server

Table 100-100 System Up Time

Name	Value
Displayed name	System Up Time
OSS name	genericSysUpTime
Type	STRING
Minimum	0
Maximum	80
Default	N/A
Read-only	yes
Tab|Panel	General|Generic NE

Table 100-101 System Wide FDB Records in Use

Name	Value
Displayed name	System Wide FDB Records in Use
OSS name	svcMacFdbRecords
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Globals.Service.General|General
Description	Indicates the number of system wide FDB records in use.

Table 100-102 Template Based Configuration

Name	Value
Displayed name	Template Based Configuration
OSS name	autoConfigureTemplate
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General
Description	Indicates if this node was provisioned using an auto-configuration template.

Table 100-103 Tertiary DNS

Name	Value
Displayed name	Tertiary DNS
OSS name	sbiTertiaryDns
Type	INETADDR
Default	0.0.0.0
Tab|Panel	Polling.General|Bof Configuration

Table 100-104 TestHead Port

Name	Value
Displayed name	TestHead Port
OSS name	testHeadPort
Type	POINTER
Tab|Panel	Globals.Service.General|Loopback No Service Ports
Description	This port is to be assigned to used Y.1564 test head feature.

Table 100-105 Total PBB MAC Address Indices in Use

Name	Value
Displayed name	Total PBB MAC Address Indices in Use
OSS name	svcTotalFdbMimDestEntries
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Globals.Service.General|General
Description	Indicates the number of system wide Backbone MAC address indices in use of service this router.

Table 100-106 Use WRED Slopes

Name	Value
Displayed name	Use WRED Slopes
OSS name	useWredSlopes
Type	netw.WredSlopes
Default	TCP-Non-TCP

(1 of 2)

100 — Network Element

Name	Value
Tab|Panel	QoS|Quality of Service
Description	Specifies whether a WRED profile uses both TCP and non-TCP slopes, or if only TCP slopes (high-priority and low-priority) are used.
Enumerated types	
High-Low	
TCP-Non-TCP	

(2 of 2)

Table 100-107 Vendor-Specific ICMP Extensions

Name	Value
Displayed name	Vendor-Specific ICMP Extensions
OSS name	vendorSpecificIcmpExtensions
Type	generic.EnabledDisabled
Default	Disabled
Tab|Panel	ICMP|ICMP Extensions
Enumerated types	
Disabled	
Enabled	

Table 100-108 Vnode

Name	Value
Displayed name	Vnode
OSS name	virtualNodePointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Virtual Node

Table 100-109 VPLS Mode

Name	Value
Displayed name	VPLS Mode
OSS name	vplsServiceMode
Type	netw.VplsMode
Default	Disabled

(1 of 2)

Name	Value
Tab|Panel	General|VPLS Service
Description	Property used to specify the VPLS mode set on the Network Element. If the node is used for VLAN services, set it to 'disabled'; for VPLS service, set it to 'enabled' for 3.0.R4 and above, or 'qualified' or 'unqualified' for pre 3.0.R4 load.
Enumerated types	
Disabled	
Enabled	
None	
Qualified	
Unqualified	

(2 of 2)

Table 100-110 Zone Count

Name	Value
Displayed name	Zone Count
OSS name	secZoneCount
Type	LONG
Tab|Panel	Security|General

101 —NetworkIngressDot1p

Table 101-1 NetworkIngressDot1p parameters

Parameters	
Dot1p Forwarding Class	Profile

Table 101-2 Dot1p

Name	Value
Displayed name	Dot1p
OSS name	dot1p
Type	qos.Dot1pValueNoDefaultEnum
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
0	
1	
2	
3	
4	
5	

(1 of 2)

Name	Value
6	
7	

(2 of 2)

Table 101-3 Forwarding Class

Name	Value
Displayed name	Forwarding Class
OSS name	forwardingClass
Type	qos.FcEnum
Tab|Panel	General|General

Table 101-4 Profile

Name	Value
Displayed name	Profile
OSS name	profile
Type	qos.Profile
Tab|Panel	General|General

102 —NetworkIngressForwardingClass

Table 102-1 NetworkIngressForwardingClass parameters

Parameters	
Forwarding Class Meter	MultiCast-Meter

Table 102-2 Forwarding Class

Name	Value
Displayed name	Forwarding Class
OSS name	forwardingClass
Type	qos.FcEnum
Mandatory on creation	yes
Tab|Panel	General|General

Table 102-3 Meter

Name	Value
Displayed name	Meter
OSS name	meter
Type	sasqos.FCMeterValue

(1 of 2)

Name	Value
Default	N/A
Tab|Panel	General|General
Enumerated types	
1	
10	
11	
12	
2	
3	
4	
5	
6	
7	
8	
9	
N/A	

(2 of 2)

Table 102-4 MultiCast-Meter

Name	Value
Displayed name	MultiCast-Meter
OSS name	mCastMeter
Type	sasqos.FCMeterValue
Default	N/A
Tab|Panel	General|General
Enumerated types	
1	
10	
11	
12	
2	
3	
4	
5	
6	
7	

(1 of 2)

Name	Value
8	
9	
N/A	

(2 of 2)

103 —NetworkIngressMeter

Table 103-1 NetworkIngressMeter parameters

Parameters	
CIR	Oper CIR
CIR Adaptation	Oper Committed Burst Size
Committed Burst Size	Oper Maximum Burst Size
ID	Oper PIR
Maximum Burst Size	PIR
Mode	PIR Adaptation
MultiPoint	

Table 103-2 CIR

Name	Value
Displayed name	CIR
OSS name	cir
Type	INT
Minimum	-1
Maximum	20000000
Default	0
Units	kbps
Tab|Panel	CIR/PIR|CIR

Table 103-3 CIR Adaptation

Name	Value
Displayed name	CIR Adaptation
OSS name	cirAdaptation
Type	qos.RateAdaptationRule
Default	Closest
Tab|Panel	CIR/PIR|General
Description	Specifies the adaptation rule used to compute the operational CIR value.
Enumerated types	
Closest	
Max	
Min	

Table 103-4 Committed Burst Size

Name	Value
Displayed name	Committed Burst Size
OSS name	cbs
Type	INT
Minimum	-1
Maximum	2146959
Default	-1
Units	kbps
Tab|Panel	Burst Size|CBS

Table 103-5 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	0
Maximum	4294967295
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 103-6 Maximum Burst Size

Name	Value
Displayed name	Maximum Burst Size
OSS name	mbs
Type	INT
Minimum	-1
Maximum	2146959
Default	-1
Units	kbps
Tab|Panel	Burst Size|MBS

Table 103-7 Mode

Name	Value
Displayed name	Mode
OSS name	mode
Type	qos.MeterMode
Default	trTCM (RFC 2698)
Tab|Panel	General|General
Description	Specifies the adaptation rule used to compute the operational PIR value.
Enumerated types	
srTCM	
trTCM	
trTCM (RFC 2698)	
trTCM (RFC 4115)	

Table 103-8 MultiPoint

Name	Value
Displayed name	MultiPoint
OSS name	mCast
Type	generic.TruthValue
Mandatory on creation	yes
Tab|Panel	General|General

Table 103-9 Oper CIR

Name	Value
Displayed name	Oper CIR
OSS name	operCir
Type	INT
Minimum	-1
Maximum	100000000
Default	-1
Units	kbps
Tab|Panel	CIR/PIR|CIR

Table 103-10 Oper Committed Burst Size

Name	Value
Displayed name	Oper Committed Burst Size
OSS name	operCbs
Type	INT
Units	kbps
Tab|Panel	Burst Size|CBS

Table 103-11 Oper Maximum Burst Size

Name	Value
Displayed name	Oper Maximum Burst Size
OSS name	operMbs
Type	INT
Units	kbps
Tab|Panel	Burst Size|MBS

Table 103-12 Oper PIR

Name	Value
Displayed name	Oper PIR
OSS name	operPir
Type	INT

(1 of 2)

Name	Value
Minimum	-1
Maximum	100000000
Default	-1
Units	kbps
Tab|Panel	CIR/PIR|PIR

(2 of 2)

Table 103-13 PIR

Name	Value
Displayed name	PIR
OSS name	pir
Type	INT
Minimum	-1
Maximum	20000000
Default	-1
Units	kbps
Tab|Panel	CIR/PIR|PIR

Table 103-14 PIR Adaptation

Name	Value
Displayed name	PIR Adaptation
OSS name	pirAdaptation
Type	qos.RateAdaptationRule
Default	Closest
Tab|Panel	CIR/PIR|General
Description	Specifies the adaptation rule used to compute the operational PIR value.
Enumerated types	
Closest	
Max	
Min	

104 —Network Interface

Table 104-1 Network Interface parameters

Parameters	
Adjacency State	MD5 Key
Cost Metric	MD5 Key ID
Dead Interval	MTU Size
Hello Interval	OSPF Area ID
Interface ID	OSPF Area Index
Interface Status	Packet Type
MD5 Authentication Enabled	

Table 104-2 Adjacency State

Name	Value
Displayed name	Adjacency State
OSS name	tnNetIfCnLinkAdjState
Type	optical.OspfAdjacencyState
Tab|Panel	OSPF|OSPF
Description	OSPF Adj state.
Enumerated types	
Down	
Exchange	
ExchangeStart	

(1 of 2)

Name	Value
Full	
Init	
2Way	

(2 of 2)

Table 104-3 Cost Metric

Name	Value
Displayed name	Cost Metric
OSS name	tnNetIfMetric
Type	LONG
Minimum	1
Maximum	65535
Tab|Panel	OSPF|OSPF
Description	The Traffic eng metric of the link.

Table 104-4 Dead Interval

Name	Value
Displayed name	Dead Interval
OSS name	tnNetIfRtrDeadInterval
Type	LONG
Minimum	1
Maximum	65535
Default	10
Units	seconds
Tab|Panel	OSPF|OSPF
Description	The router dead interval of the link. For 1830, the range is (1..'FFFF'h). This value must be greater than or equal to hello interval value.

Table 104-5 Hello Interval

Name	Value
Displayed name	Hello Interval
OSS name	tnNetIfHelloInterval
Type	LONG

(1 of 2)

Name	Value
Minimum	1
Maximum	65535
Default	10
Units	seconds
Tab|Panel	OSPF|OSPF
Description	The hello interval of the link.

(2 of 2)

Table 104-6 Interface ID

Name	Value
Displayed name	Interface ID
OSS name	ifIndex
Type	LONG
Minimum	1
Maximum	128
Default	autoId
Mandatory on creation	yes
Tab|Panel	General|Interface
Description	The Access identifier for the Network Interface.

Table 104-7 Interface Status

Name	Value
Displayed name	Interface Status
OSS name	gccPortStatus
Type	optical.DisabledEnabled
Default	Disabled
Tab|Panel	General|Interface
Description	The administrative state of the Network Interface.
Enumerated types	
Disabled	
Enabled	

Table 104-8 MD5 Authentication Enabled

Name	Value
Displayed name	MD5 Authentication Enabled
OSS name	tnNetIfOspfAuthentType
Type	BOOL
Default	false
Tab|Panel	OSPF|OSPF
Description	Specifies OSPF authentication on the interface - only none and MD5 are currently supported.

Table 104-9 MD5 Key

Name	Value
Displayed name	MD5 Key
OSS name	tnNetIfOspfAuthKey
Type	STRING
Minimum	0
Maximum	16
Tab|Panel	OSPF|OSPF
Description	Link OSPF Authentic Key.

Table 104-10 MD5 Key ID

Name	Value
Displayed name	MD5 Key ID
OSS name	tnNetIfOspfAuthKeyId
Type	LONG
Minimum	1
Maximum	255
Default	1
Tab|Panel	OSPF|OSPF
Description	Link OSPF Authentic Key Id.

Table 104-11 MTU Size

Name	Value
Displayed name	MTU Size
OSS name	gccMtuSize
Type	INT
Minimum	576
Maximum	1500
Default	1500
Tab|Panel	General|Interface
Description	The MTU size for the configured Network Interface. The intent is to allow for interworking/standardization across multiple products. The MTU size is allowed to be changed only when the provisioned packet type is set to std. If the packet type is changed from std to nonStd then the MTU size will automatically be changed by the software back to the pack's default value.

Table 104-12 OSPF Area ID

Name	Value
Displayed name	OSPF Area ID
OSS name	ospfAreaId
Type	INETADDR
Default	0.0.0.0
Tab|Panel	OSPF|OSPF Area
Description	For all OSC/GCC interfaces, it will use the OSPF area provisioned on the node.

Table 104-13 OSPF Area Index

Name	Value
Displayed name	OSPF Area Index
OSS name	ospfTopologyId
Type	INT
Tab|Panel	OSPF|OSPF Area
Description	OSPF Area Topology Id.

Table 104-14 Packet Type

Name	Value
Displayed name	Packet Type
OSS name	gccPacketType
Type	optical.GccPacketType
Default	Standard
Tab|Panel	General|Interface
Description	The GCC packet type. Indicates if the Network Interface packet type is standard or non-standard. Only provisionable for 4DPA4, 11DPE12, 11STAR1 and 11STMM10 pack related network interfaces. The default value is std for all packs. If packet type is non-std, MTU size is always 1473 and cannot be changed.
Enumerated types	
Non-standard	
Standard	

105 —Network Interface

Table 105-1 Network Interface parameters

Parameters	
Actual Maximum Frame Size	Enable MAC Accounting Stats
Actual Primary Status	Encapsulation Type
Administrative State	GNE
Admin Link Local Address	Ingress IP ACL
Admin Link Local Address	Ingress IPv6 ACL
Admin Link Local Address Preferred	Inner Encapsulation Value
Allow Directed Broadcasts	Interface Encap Type
BFD Configured	Interface ID
Broadcast	IPv6 Allowed
Broadcast Address	IPv6 Operational State
ByPass Zone Config	L4 Load Balance
Cflowd Type	LAG Link Map Profile
Class	Last Operational State Change
Client Status	LDP Synchronization Timer
Configured Primary Status	Link Local Address
Description	Link Local Address State
DHCP Option-60	Local DHCP Server
Domain	Local DHCPv6 Server
Egress IP ACL	Loopback Enabled
Egress IP Load Balancing	LSR IP Load Balancing
Egress IPv6 ACL	MAC Address
Enable Forwarding	Maximum Frame Size Mismatch
Enable Ingress FlowSpec IPv4	Name
Enable Ingress FlowSpec IPv6	NE DDoS Protection Policy
Enable Ingress Stats	NE DoS Protection

(1 of 2)

Parameters	
Network Policy	Show Link In IGP Topology
Operational State	Site ID
Operational State Reason	Site ID
Outer Encapsulation Value	Site Name
PIM RP Delayed Up Period	State Qualifier
PIM RP Delayed Up Timer	Strip Label
Port	TCP-MSS IPv4
Port ID	TCP-MSS IPv6
Provisioned Maximum Frame Size	TEID Load Balancing
PTP HW Assist	Trusted
PTP Interface	Type
QoS Route Lookup IPv4	Underlying Port State
QoS Route Lookup IPv6	Unnumbered Reference
Queue Group Instance ID	Unnumbered Type
Queue Group Instance ID	URPF Check Mode IPv4
Queue Group Template Policy	URPF Check Mode IPv6
Queue Group Template Policy	URPF Check State IPv4
RADIUS Proxy Server	URPF Check State IPv6
Routing Instance ID	VLAN
Routing Instance Name	Zone Id

(2 of 2)

Table 105-2 Actual Maximum Frame Size

Name	Value
Displayed name	Actual Maximum Frame Size
OSS name	actualMtu
Type	INT
Default	1500
Units	bytes
Read-only	yes
Tab|Panel	Port|General

Table 105-3 Actual Primary Status

Name	Value
Displayed name	Actual Primary Status
OSS name	actualPrimaryStatus
Type	generic.TruthValue
Tab|Panel	General|General
Description	> Actual primary interface status for this interface

Table 105-4 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	rtr.AdministrativeState
Default	unspecified
Tab|Panel	General|General
Enumerated types	
Down	
Up	

Table 105-5 Admin Link Local Address

Name	Value
Displayed name	Admin Link Local Address
OSS name	adminLinkLocalAddr
Type	INETADDR
Default	0:0:0:0:0:0:0:0
Tab|Panel	General|General

Table 105-6 Admin Link Local Address

Name	Value
Displayed name	Admin Link Local Address
OSS name	adminLinkLocalAddrWithZoneIndex
Type	INETADDR
Tab|Panel	General|General

Table 105-7 Admin Link Local Address Preferred

Name	Value
Displayed name	Admin Link Local Address Preferred
OSS name	adminLinkLclAddrPreferred
Type	BOOL
Default	false

(1 of 2)

Name	Value
Tab|Panel	General|General

(2 of 2)

Table 105-8 Allow Directed Broadcasts

Name	Value
Displayed name	Allow Directed Broadcasts
OSS name	directedBroadcast
Type	BOOL
Default	false
Tab|Panel	General|General

Table 105-9 BFD Configured

Name	Value
Displayed name	BFD Configured
OSS name	bfdConfigured
Type	BOOL
Tab|Panel	General|BFD Configured
Description	Is BFD configured on this interface >

Table 105-10 Broadcast

Name	Value
Displayed name	Broadcast
OSS name	broadcast
Tab|Panel	General|NTP

Table 105-11 Broadcast Address

Name	Value
Displayed name	Broadcast Address
OSS name	bcastAddress
Type	STRING
Maximum	50

(1 of 2)

Name	Value
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|General

(2 of 2)

Table 105-12 ByPass Zone Config

Name	Value
Displayed name	ByPass Zone Config
OSS name	securityPolicyBypass
Type	BOOL
Default	false
Tab|Panel	Zone|General
Description	The value of securityPolicyBypass indicates whether traffic on this interface bypasses the security check.

Table 105-13 Cflowd Type

Name	Value
Displayed name	Cflowd Type
OSS name	cflowdType
Type	INT
Default	1
Tab|Panel	General|General

Table 105-14 Class

Name	Value
Displayed name	Class
OSS name	interfaceClass
Type	rtr.RtrInterfaceClass
Default	Numbered
Tab|Panel	General|General
Enumerated types	
Management	
Numbered	

(1 of 2)

Name	Value
System	
Unspecified	
Unnumbered	

(2 of 2)

Table 105-15 Client Status

Name	Value
Displayed name	Client Status
OSS name	ifDhcpStatus
Type	rtr.InterfaceDhcpStatus
Read-only	yes
Tab|Panel	DHCP-CLIENT Parameter|General
Description	DHCP status of the DHCP Client IP interface.
Enumerated types	
Active	
Discovery	
Timeout	

Table 105-16 Configured Primary Status

Name	Value
Displayed name	Configured Primary Status
OSS name	configPrimaryStatus
Type	generic.TruthValue
Tab|Panel	General|General
Description	> Primary interface configuration status for this interface. If set to true, this interface will be used as the default interface for the VLAN on which it resides when possible

Table 105-17 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0

(1 of 2)

Name	Value
Maximum	80
Tab|Panel	General|General

(2 of 2)

Table 105-18 DHCP Option-60

Name	Value
Displayed name	DHCP Option-60
OSS name	ifDhcpOption60
Type	STRING
Minimum	1
Maximum	64
Default	OmniSwitch
Tab|Panel	DHCP-CLIENT Parameter|General
Description	The value of option-60 filed that should be inserted in DHCP discover/request packet if configured.

Table 105-19 Domain

Name	Value
Displayed name	Domain
OSS name	ifType
Type	rtr.RtrInterfaceType
Default	Network
Mandatory on creation	yes
Tab|Panel	General|General
Description	This property will distinguish between a regualr network interface and an mpls-tp interface.
Enumerated types	
Primary	
Secondary	
Network	
Network IP Reassembly	
VPRN Network Interface	
Service	
IES	
AA Interface	

(1 of 2)

Name	Value
AARP Interface	
IES Group Interface	
IES IPsec Interface	
IES Redundant Interface	
IES Subscriber Interface	
Service IP Reassembly	
TMS Interface	
VPRN IP Mirror Interface	
VPLS	
L2 Management Interface	
VPRN	
VPRN Group Interface	
VPRN IPsec Interface	
VPRN Redundant Interface	
VPRN Subscriber Interface	
Unnumbered MPLS-TP	

(2 of 2)

Table 105-20 Egress IP ACL

Name	Value
Displayed name	Egress IP ACL
OSS name	egressFilterPointer
Type	POINTER
Tab|Panel	Policies.General|IP ACL

Table 105-21 Egress IP Load Balancing

Name	Value
Displayed name	Egress IP Load Balancing
OSS name	egrIpLoadBalancing
Type	rtr.EgrIpLoadBalancing
Default	Both
Tab|Panel	General|General
Description	Specifies whether to include source address or destination address or both in LAG/ECMP hash on IP interfaces.
Enumerated types	

(1 of 2)

Name	Value
Both	
Destination	
Source	

(2 of 2)

Table 105-22 Egress IPv6 ACL

Name	Value
Displayed name	Egress IPv6 ACL
OSS name	egressIpv6FilterPointer
Type	POINTER
Tab|Panel	Policies.General|IPv6 ACL
Description	Pointer to the instance of the ACL ipv6 filter.

Table 105-23 Enable Forwarding

Name	Value
Displayed name	Enable Forwarding
OSS name	enableForwarding
Type	generic.TruthValue
Tab|Panel	General|General
Description	>

Table 105-24 Enable Ingress FlowSpec IPv4

Name	Value
Displayed name	Enable Ingress FlowSpec IPv4
OSS name	ingressFlowspec
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Specifies if ingress flowspec IPv4 is enabled for this interface.

Table 105-25 Enable Ingress FlowSpec IPv6

Name	Value
Displayed name	Enable Ingress FlowSpec IPv6
OSS name	ingressIPv6Flowspec
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Specifies if ingress flowspec IPv6 is enabled for this interface.

Table 105-26 Enable Ingress Stats

Name	Value
Displayed name	Enable Ingress Stats
OSS name	enableIngressStats
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Specifies if ingress statistics gathering is enabled for this interface.

Table 105-27 Enable MAC Accounting Stats

Name	Value
Displayed name	Enable MAC Accounting Stats
OSS name	enableMacAccountingStats
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Specifies if MAC accouting statistics gathering is enabled for this interface.

Table 105-28 Encapsulation Type

Name	Value
Displayed name	Encapsulation Type
OSS name	encapType
Type	equipment.PortEncapType

(1 of 2)

Name	Value
Default	unspecified
Read-only	yes
Tab|Panel	Port|General
Enumerated types	
ATM	
BCP Dot1 Q	
BCP Null	
CEM	
FR	
Cisco HDLC	
IPCP	
MPLS	
Null	
PPP Auto	
Dot1 Q	
Q in Q	
HDLC	
N/A	
WAN Mirror	

(2 of 2)

Table 105-29 GNE

Name	Value
Displayed name	GNE
OSS name	isGne
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|GNE
Description	Is this a network interface on a GNE?

Table 105-30 Ingress IP ACL

Name	Value
Displayed name	Ingress IP ACL

(1 of 2)

Name	Value
OSS name	ingressFilterPointer
Type	POINTER
Tab|Panel	Policies.General|IP ACL

(2 of 2)

Table 105-31 Ingress IPv6 ACL

Name	Value
Displayed name	Ingress IPv6 ACL
OSS name	ingressIpv6FilterPointer
Type	POINTER
Tab|Panel	Policies.General|IPv6 ACL
Description	Pointer to the instance of the ACL ipv6 filter.

Table 105-32 Inner Encapsulation Value

Name	Value
Displayed name	Inner Encapsulation Value
OSS name	innerEncapValue
Type	INT
Default	0
Tab|Panel	Port|General
Description	Provisioned inner encap value. This value is propagated into: terminatedPortInnerEncapValue.

Table 105-33 Interface Encap Type

Name	Value
Displayed name	Interface Encap Type
OSS name	encapsulationType
Type	rtr.EncapType
Default	Ethernet2
Tab|Panel	General|General
Description	> This is the Encapsulation Type of the IP Interface. Only applicable for AOS Node types
Enumerated types	
Ethernet2	

(1 of 2)

Name	Value
SNAP	

(2 of 2)

Table 105-34 Interface ID

Name	Value
Displayed name	Interface ID
OSS name	id
Type	LONG
Minimum	1
Maximum	5119
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 105-35 IPv6 Allowed

Name	Value
Displayed name	IPv6 Allowed
OSS name	ipv6Allowed
Type	BOOL
Default	false
Tab|Panel	General|General

Table 105-36 IPv6 Operational State

Name	Value
Displayed name	IPv6 Operational State
OSS name	ipv6OperationalState
Type	netw.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Down	
Failed	

(1 of 3)

Name	Value
Initializing	
Up	
Not Present	
Disabled	
Transition	
Unknown	
Blocking	
MTU Mismatch	
No Egress Label	
No Ingress Label	
No Labels	
Tunnel Down	
Tunnel MTU Too Small	
Tunnel Not Ready	
Indeterminate	
Filtering	
Forwarding	
Dormant	
Lower Layer Down	
Testing	
N/A	
Backup Designated Router	
Designated Router	
Loopback	
Other Designated Router	
Point-to-Point	
Waiting	
attempt	
down	
exchange	
exchange started	
full	
init	
loading	
two way	
Admin Down	
Egress QoS Mismatch	

(2 of 3)

Name	Value
IES Interface Admin Down	
Ingress QoS Mismatch	
Invalid Egress Interface	
Not Alive	
Not Ready	
Transport Tunnel Down	
Port MTU Too Small	

(3 of 3)

Table 105-37 L4 Load Balance

Name	Value
Displayed name	L4 Load Balance
OSS name	aluIfL4LoadBalancing
Type	rtr.AluIfL4LoadBalancing
Default	System
Tab|Panel	General|General
Description	aluVrtrIfL4LoadBalancing specifies the load balancing algorithm to be used on this interface. When the value is 'includeL4', the src and dst port are used in the hashing algorithm. When it's 'excludeL4', they are not included. When the value is 'system', the port inherits the global settings in {netw.NetworkElement.l4LoadBalancing}.
Enumerated types	
Exclude L4	
Include L4	
System	

Table 105-38 LAG Link Map Profile

Name	Value
Displayed name	LAG Link Map Profile
OSS name	lagLinkMapProfilePointer
Type	POINTER
Tab|Panel	Port|General
Description	Pointer to the LAG Link Mapping Profile

Table 105-39 Last Operational State Change

Name	Value
Displayed name	Last Operational State Change
OSS name	lastOperStateChange
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|General
Description	indicates the sysUpTime when the operational state of this interface last changed

Table 105-40 LDP Synchronization Timer

Name	Value
Displayed name	LDP Synchronization Timer
OSS name	ldpSyncTimer
Type	INT
Minimum	0
Maximum	1800
Default	0
Units	seconds
Tab|Panel	General|LDP Synchronization Timer
Description	Specifies a time interval used for IGP-LDP synchronization.

Table 105-41 Link Local Address

Name	Value
Displayed name	Link Local Address
OSS name	linkLocalAddress
Type	INETADDR
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|General

Table 105-42 Link Local Address State

Name	Value
Displayed name	Link Local Address State
OSS name	linkLocalAddressState
Type	rtr.IPv6AddressState
Read-only	yes
Tab|Panel	General|General

Table 105-43 Local DHCP Server

Name	Value
Displayed name	Local DHCP Server
OSS name	localDhcpServerPointer
Type	POINTER
Tab|Panel	Local DHCP|General
Description	Pointer to the instance of local dhcp server.

Table 105-44 Local DHCPv6 Server

Name	Value
Displayed name	Local DHCPv6 Server
OSS name	localDhcp6ServerPointer
Type	POINTER
Tab|Panel	Local DHCP|General
Description	Pointer to a Local DHCPv6 server.

Table 105-45 Loopback Enabled

Name	Value
Displayed name	Loopback Enabled
OSS name	loopbackEnabled
Type	BOOL
Default	false
Tab|Panel	General|General

Table 105-46 LSR IP Load Balancing

Name	Value
Displayed name	LSR IP Load Balancing
OSS name	ifLsrIpLoadBalancing
Type	rtr.IfLsrIpLoadBalancing
Default	System
Tab|Panel	General|General
Description	The value of ifLsrIpLoadBalancing specifies whether the IP Header is used in the LAG and ECMP LSR hashing algorithm. This is the per interface setting. When set to 'label-only (1)' only the label is used in the hashing algorithm. When set to 'label-ip (2)', the IP Header is included in the hashing algorithm. When set to 'ip-only (3)' the IP Header is used exclusively in the hashing Algorithm. When set to 'system (0)', the hashing algorithm is inherited from the setting of 'lsrIpLoadBalancing' under the NetworkElement object.
Enumerated types	
Ethernet Encapsulated IP	
IP Only	
Label IP	
Label Only	
System	

Table 105-47 MAC Address

Name	Value
Displayed name	MAC Address
OSS name	physicalAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|General

Table 105-48 Maximum Frame Size Mismatch

Name	Value
Displayed name	Maximum Frame Size Mismatch
OSS name	mtuMismatch
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	Port|General

(1 of 2)

Name	Value
Description	The value is set to 'true' when the provisioned MTU value is greater than the actual MTU value (provisionedMtu > actualMtu).

(2 of 2)

Table 105-49 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	40
Mandatory on creation	yes
Tab|Panel	General|General

Table 105-50 NE DDoS Protection Policy

Name	Value
Displayed name	NE DDoS Protection Policy
OSS name	dCpuProtectionPolicyPointer
Type	POINTER
Tab|Panel	Security|NE Protection
Description	Associates Distributed CPU Protection Policy with a Base Router Interface.

Table 105-51 NE DoS Protection

Name	Value
Displayed name	NE DoS Protection
OSS name	dosProtection
Type	POINTER
Default	NE DoS Protection:255
Tab|Panel	Security|NE Protection
Description	Pointer specifies the DoS Protection Policy that's applicable to this interface.

Table 105-52 Network Policy

Name	Value
Displayed name	Network Policy
OSS name	networkPolicyObjectPointer
Type	POINTER
Default	Network:1
Tab|Panel	Policies.General|Network

Table 105-53 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	rtr.OperationalState
Default	unknown
Read-only	yes
Tab|Panel	General|General

Table 105-54 Operational State Reason

Name	Value
Displayed name	Operational State Reason
OSS name	operStateReason
Type	rtr.OperStateReason
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Admin Down	
Device Down	
Interface Up	
No Router MAC	
No Such Device	
Tunnel Dest Unreachable	
Tunnel Src Invalid	
Unbound	

Table 105-55 Outer Encapsulation Value

Name	Value
Displayed name	Outer Encapsulation Value
OSS name	outerEncapValue
Type	INT
Minimum	0
Maximum	4094
Default	0
Tab|Panel	Port|General
Description	Provisioned outer encap value. This value is propagated into: terminatedPortOuterEncapValue.

Table 105-56 PIM RP Delayed Up Period

Name	Value
Displayed name	PIM RP Delayed Up Period
OSS name	pimRPDelayedUpPeriod
Type	LONG
Minimum	0
Maximum	300
Default	0
Tab|Panel	General|General

Table 105-57 PIM RP Delayed Up Timer

Name	Value
Displayed name	PIM RP Delayed Up Timer
OSS name	pimRPDelayedUpTimer
Type	INT
Minimum	-1
Maximum	300
Default	-1
Read-only	yes
Tab|Panel	General|General

Table 105-58 Port

Name	Value
Displayed name	Port
OSS name	portName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	Port|General

Table 105-59 Port ID

Name	Value
Displayed name	Port ID
OSS name	portId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Port|General

Table 105-60 Provisioned Maximum Frame Size

Name	Value
Displayed name	Provisioned Maximum Frame Size
OSS name	provisionedMtu
Type	INT
Default	1500
Units	bytes
Read-only	yes
Tab|Panel	Port|General

Table 105-61 PTP HW Assist

Name	Value
Displayed name	PTP HW Assist
OSS name	ptpVrtrIfAdminState

(1 of 2)

Name	Value
Tab|Panel	General|PTP HW

(2 of 2)

Table 105-62 PTP Interface

Name	Value
Displayed name	PTP Interface
OSS name	isPtpInterface
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General

Table 105-63 QoS Route Lookup IPv4

Name	Value
Displayed name	QoS Route Lookup IPv4
OSS name	qosRouteLookupIpv4
Type	rtr.QosLookup
Default	None
Tab|Panel	General|General
Description	QoS classification of the ingress IPv4 packets on an interface based on the QoS information associated with routes in the forwarding table.
Enumerated types	
Destination	
None	
Source	

Table 105-64 QoS Route Lookup IPv6

Name	Value
Displayed name	QoS Route Lookup IPv6
OSS name	qosRouteLookupIpv6
Type	rtr.QosLookup
Default	None
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	QoS classification of the ingress IPv6 packets on an interface based on the QoS information associated with routes in the forwarding table.
Enumerated types	
Destination	
None	
Source	

(2 of 2)

Table 105-65 Queue Group Instance ID

Name	Value
Displayed name	Queue Group Instance ID
OSS name	qosEgrQGrpInstanceId
Type	LONG
Minimum	0
Maximum	65535
Default	0
Tab|Panel	Policies.General|Network|Egress Port Redirect
Description	Specifies the instance of the egress Queue Group for this interface.

Table 105-66 Queue Group Instance ID

Name	Value
Displayed name	Queue Group Instance ID
OSS name	qosIngQGrpInstanceId
Type	LONG
Minimum	0
Maximum	65535
Default	0
Tab|Panel	Policies.General|Network|Ingress Forwarding Plane Redirect
Description	Specifies the instance of the forwarding-plane ingress Queue Group for this interface

Table 105-67 Queue Group Template Policy

Name	Value
Displayed name	Queue Group Template Policy

(1 of 2)

Name	Value
OSS name	qosIngFpRedirectQGrpPointer
Type	POINTER
Tab|Panel	Policies.General|Network|Ingress Forwarding Plane Redirect
Description	Specifies the forwarding-plane queue group Policy for this interface.

(2 of 2)

Table 105-68 Queue Group Template Policy

Name	Value
Displayed name	Queue Group Template Policy
OSS name	redirectQueueGroupPointer
Type	POINTER
Tab|Panel	Policies.General|Network|Egress Port Redirect

Table 105-69 RADIUS Proxy Server

Name	Value
Displayed name	RADIUS Proxy Server
OSS name	radiusProxyServerPointer
Type	POINTER
Tab|Panel	RADIUS Proxy Server|General
Description	Pointer to a Radius Proxy Server. Setting this pointer binds the interface to a particular RADIUS Proxy Server and creates an instance of aaa.RadiusProxyInterface. Clearing this pointer deletes the associated Radius Proxy Interface.

Table 105-70 Routing Instance ID

Name	Value
Displayed name	Routing Instance ID
OSS name	routerId
Type	INT
Minimum	1
Maximum	10240
Default	1
Read-only	yes
Tab|Panel	General|Routing Instance

Table 105-71 Routing Instance Name

Name	Value
Displayed name	Routing Instance Name
OSS name	routerName
Type	STRING
Minimum	0
Maximum	32
Read-only	yes
Tab|Panel	General|Routing Instance

Table 105-72 Show Link In IGP Topology

Name	Value
Displayed name	Show Link In IGP Topology
OSS name	showLinkInIgpTopology
Type	rtr.IgpTopologyType
Default	Derive from Non-Routed Edge policies
Tab|Panel	General|General
Description	Indicates the link associated with this interface should be showed on the IGP topology map.
Enumerated types	
No	
Derive from Non-Routed Edge policies	
Yes	

Table 105-73 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|General

Table 105-74 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 105-75 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 105-76 State Qualifier

Name	Value
Displayed name	State Qualifier
OSS name	compositeState
Type	rtr.ResourceCompositeState
Default	OK
Read-only	yes
Tab|Panel	General|General
Description	This value is derived from underlyingResourceState and/or resourceState attributes. If the underlyingResourceState is not 'OK' and is not 'unspecified' the value of compositeState will be set to the same value as underlyingResourceState. Otherwise the value of compositeState will be set to the same value as resourceState.

Table 105-77 Strip Label

Name	Value
Displayed name	Strip Label
OSS name	stripLabel
Type	generic.TruthValue
Tab|Panel	General|General
Description	The value of stripLabel specifies whether a packet received on the interface will have it's MPLS labels stripped from the packet (true) or not (false).

Table 105-78 TCP-MSS IPv4

Name	Value
Displayed name	TCP-MSS IPv4
OSS name	tcpMss
Type	INT
Minimum	0
Maximum	9158
Default	0
Tab|Panel	General|General
Description	This property specifies the TCP maximum segment size(MSS) for TCP connections originated from the associated IP interface. The valid range is [0, 480-9158].

Table 105-79 TCP-MSS IPv6

Name	Value
Displayed name	TCP-MSS IPv6
OSS name	tcpMssIpv6
Type	INT
Minimum	0
Maximum	9138
Default	0
Tab|Panel	General|General
Description	This property specifies the TCP maximum segment size(MSS) for TCP connections originated from the associated IPv6 interface. The valid range is [0, 1220-9138].

Table 105-80 TEID Load Balancing

Name	Value
Displayed name	TEID Load Balancing
OSS name	ifTeIdLoadBalancing
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Specifies whether TEID load balancing is enabled for GTP-U/GTP-C tunnels on all configured Router interfaces.

Table 105-81 Trusted

Name	Value
Displayed name	Trusted
OSS name	isTrusted
Type	generic.TruthValue
Tab|Panel	General|General

Table 105-82 Type

Name	Value
Displayed name	Type
OSS name	domain
Type	rtr.DomainType
Default	unspecified
Read-only	yes
Tab|Panel	General|General

Table 105-83 Underlying Port State

Name	Value
Displayed name	Underlying Port State
OSS name	underlyingResourceState
Type	rtr.UnderlyingResourceState
Default	noAssociation
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	Port|General
Description	State of the underlying resource. (An underlying resource is for example a netw.ConnectionTerminationPoint)

(2 of 2)

Table 105-84 Unnumbered Reference

Name	Value
Displayed name	Unnumbered Reference
OSS name	unnumberedReference
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	General|Unnumbered

Table 105-85 Unnumbered Type

Name	Value
Displayed name	Unnumbered Type
OSS name	unnumberedReferenceType
Type	rtr.UnnumberedReferenceType
Default	System
Tab|Panel	General|Unnumbered
Enumerated types	
IP Address	
Name	
System	

Table 105-86 URPF Check Mode IPv4

Name	Value
Displayed name	URPF Check Mode IPv4
OSS name	uRPFCheckMode
Type	rtr.URPFCheckMode
Default	Strict
Tab|Panel	General|Unicast RPF

(1 of 2)

Name	Value
Description	Specifies the mode of unicast RPF check for IPv4. It is applicable only when uRPFCheckState is set to 'enabled'.
Enumerated types	
Loose	
Strict	
Strict-No-Ecmp	

(2 of 2)

Table 105-87 URPF Check Mode IPv6

Name	Value
Displayed name	URPF Check Mode IPv6
OSS name	uRPFCheckModeIpv6
Type	rtr.URPFCheckMode
Default	Strict
Tab|Panel	General|Unicast RPF
Description	Specifies the mode of unicast RPF check for IPv6. It is applicable only when uRPFCheckStateIpv6 is set to 'enabled'.
Enumerated types	
Loose	
Strict	
Strict-No-Ecmp	

Table 105-88 URPF Check State IPv4

Name	Value
Displayed name	URPF Check State IPv4
OSS name	uRPFCheckState
Type	generic.EnabledDisabled
Default	Disabled
Tab|Panel	General|Unicast RPF
Description	Specifies whether unicast RPF (uRPF) Check is enabled for IPv4 on the interface.
Enumerated types	
Disabled	
Enabled	

Table 105-89 URPF Check State IPv6

Name	Value
Displayed name	URPF Check State IPv6
OSS name	uRPFCheckStateIpv6
Type	generic.EnabledDisabled
Default	Disabled
Tab|Panel	General|Unicast RPF
Description	Specifies whether unicast RPF (uRPF) Check is enabled for IPv6 on the interface.
Enumerated types	
Disabled	
Enabled	

Table 105-90 VLAN

Name	Value
Displayed name	VLAN
OSS name	vlanPointer
Type	POINTER
Tab|Panel	VLAN|VLAN
Description	Pointer to the instance of local dhcp server.

Table 105-91 Zone Id

Name	Value
Displayed name	Zone Id
OSS name	zonePointer
Type	POINTER
Tab|Panel	Zone|General

106 —Network Interface Facility Binding

Table 106-1 Network Interface Facility Binding parameters

Parameters	
Channel Type Facility Name	no

Table 106-2 Channel Type

Name	Value
Displayed name	Channel Type
OSS name	gccChannelType
Type	optical.GccChannelType
Tab|Panel	General|General
Description	The ECC type of the referred ECC Channel.
Enumerated types	
GCC0	
GCC1	
GCC2	

Table 106-3 Facility Name

Name	Value
Displayed name	Facility Name
OSS name	ifFacilityName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 106-4 no

Name	Value
Displayed name	no
OSS name	ifFacilityPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General

107 —Network Time Protocol Authentication

Table 107-1 Network Time Protocol Authentication parameters

Parameters	
Authentication Key Authentication Key Id	Authentication Key Type

Table 107-2 Authentication Key

Name	Value
Displayed name	Authentication Key
OSS name	ntpAuthKey
Type	STRING
Maximum	40
Default	no
Tab|Panel	General|General
Description	Specifies the input string that is used to generate the Authentication Key value. The length of the string depends upon the type of encryption used

Table 107-3 Authentication Key Id

Name	Value
Displayed name	Authentication Key Id
OSS name	ntpAuthKeyId
Type	LONG
Minimum	1
Maximum	255
Default	no
Mandatory on creation	yes
Tab|Panel	General|General
Description	Specifies a unique ID that is used for referencing a particular Authentication Key for NTP server or NTP peer authentication.

Table 107-4 Authentication Key Type

Name	Value
Displayed name	Authentication Key Type
OSS name	ntpAuthKeyType
Type	ntp.NtpAuthKeyTypes
Default	1
Tab|Panel	General|General
Description	Specifies the encryption type for the Authentication Key, which can be of type Message Digest (MD5) or DES.Message Digest encryption supports an Authentication Key string of 1 to 32 characters. DES encryption supports an Authentication Key string of 1 to 8 characters.
Enumerated types	
DES	
MD5	
SHA1	

108 —NE User

Table 108-1 NE User parameters

Parameters	
Access	Password
Access Privilege	Password Last Change Time
Access Privilege	Policy Scope
Additional ID	Privacy Protocol
Attempted Logins	Profile 1
Authentication Protocol	Profile 2
Configuration Mode	Profile 3
Confirm New Auth Password	Profile 4
Confirm New Privacy Password	Profile 5
Confirm Password	Profile 6
Console Cannot Change Password	Profile 7
Console Login Exec File	Profile 8
Console New Password At Login	Restrict to Home
Description	Session Inactivity Timeout
Discovery State	Site ID
Distribution Mode	Site Name
Home Directory	Status
New Authentication Password	Status
New Privacy Password	Successful Logins
Origin	User Name

Table 108-2 Access

Name	Value
Displayed name	Access
OSS name	access
Type	LONG
Default	unspecified
Tab|Panel	General|General
Description	The value of tmnxUserAccess specifies the type of access the the user is permitted. To allow the user access to the console, FTP or SNMP, set the corresponding bit in tmnxUserAccess. Reset the bit to deny the access. 'li' access allows this user to access CLI commands in the Lawful Intercept (LI) context. The 'li' bit can only be modified from the SNMPv3 'li' context.

Table 108-3 Access Privilege

Name	Value
Displayed name	Access Privilege
OSS name	snmpAccessPrivilege
Type	sitesec.SNMPAccessPrivilege
Default	Admin
Tab|Panel	SNMPv3|PSS Specific Attributes
Description	Access Privilege added for PSS
Enumerated types	
Admin	
Observer	
Provisioner	
NMS	

Table 108-4 Access Privilege

Name	Value
Displayed name	Access Privilege
OSS name	accessPrivilege
Type	sitesec.AccessPrivilege
Default	Observer
Tab|Panel	General|PSS Specific Attributes
Description	Access Privilege added for PSS
Enumerated types	

(1 of 2)

Name	Value
Admin	
Observer	
Provisioner	
Service	

(2 of 2)

Table 108-5 Additional ID

Name	Value
Displayed name	Additional ID
OSS name	id
Type	LONG
Minimum	0
Maximum	4294967295
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 108-6 Attempted Logins

Name	Value
Displayed name	Attempted Logins
OSS name	attemptedLogins
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Statistics|General
Description	The value of tmnxUserAttemptedLogins indicates the number of times the user has attempted to login irrespective of whether the login succeeded or failed.

Table 108-7 Authentication Protocol

Name	Value
Displayed name	Authentication Protocol
OSS name	snmpAuthProtocol
Type	security.SnmpAuthenticationType

(1 of 2)

Name	Value
Default	No Authentication
Tab|Panel	SNMPv3|General
Description	SNMP Authorization Protocol
Enumerated types	
MD5	
No Authentication	
SHA	
Not Configured	

(2 of 2)

Table 108-8 Configuration Mode

Name	Value
Displayed name	Configuration Mode
OSS name	configurationMode
Type	sitesec.ConfigurationMode
Default	draft
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 108-9 Confirm New Auth Password

Name	Value
Displayed name	Confirm New Auth Password
OSS name	snmpAuthPassword2
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	SNMPv3|Set New Authentication Password
Description	Snmp Auth Password2

Table 108-10 Confirm New Privacy Password

Name	Value
Displayed name	Confirm New Privacy Password
OSS name	snmpPrivPassword2

(1 of 2)

Name	Value
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	SNMPv3|Set New Privacy Password
Description	Snmp Private password2

(2 of 2)

Table 108-11 Confirm Password

Name	Value
Displayed name	Confirm Password
OSS name	password2
Type	STRING
Minimum	0
Maximum	129
Tab|Panel	General|Set New Password (Console and/or FTP)
Description	The value of password2 specifies the password used to authenticate the user for console and FTP access. tmnxUserPassword and tmnxUserPasswordEncrypted, which indicates whether or not the password string is encrypted, must be set together in the same SNMP request PDU or else the set request will fail with an inconsistentValue error.

Table 108-12 Console Cannot Change Password

Name	Value
Displayed name	Console Cannot Change Password
OSS name	consoleCannotChangePassword
Type	generic.TruthValue
Tab|Panel	General|Console Login Permissions
Description	When the value of tmnxUserConsoleCannotChangePswd is 'true', the user does not have the privilege to change the password for console and FTP login. When the value of tmnxUserConsoleCannotChangePswd is 'false', the user has the privilege to change the password for console and FTP login.

Table 108-13 Console Login Exec File

Name	Value
Displayed name	Console Login Exec File
OSS name	consoleLoginExecFile

(1 of 2)

Name	Value
Type	STRING
Minimum	0
Maximum	200
Tab|Panel	General|Console Login Permissions
Description	The value of consoleLoginExecFile specifies the file that should be executed whenever the user successfully logs in to a console session.

(2 of 2)

Table 108-14 Console New Password At Login

Name	Value
Displayed name	Console New Password At Login
OSS name	consoleNewPasswordAtLogin
Type	generic.TruthValue
Tab|Panel	General|Console Login Permissions
Description	When the value of tmnxUserConsoleNewPswdAtLogin is 'true', the will be forced to change his password at the next console or FTP login. When the value of tmnxUserConsoleNewPswdAtLogin is 'false', the will not be forced to change his password at the next console or FTP login.

Table 108-15 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 108-16 Discovery State

Name	Value
Displayed name	Discovery State
OSS name	discoveryState
Type	sitesec.DiscoveryState
Default	notApplicable

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to "inProgress" if the global policy is created as the part of the specific NE resync during the full node resync or node discovery. At the end of full node resync, if the resync is successful, the global policy is completely updated from first discovered local policy and its discoveryState is set to "completed". Otherwise, the global policy isn't updated and its discoveryState is set to "failed". For "failed" global policy, it will be updated by next successful full node resync or synchronized from the specific local policy. Set to "initialized" if the global policy is created by snmp trap notification. User may need to synchronize the global policy manually with the specific local policy. Set to "N/A" if the global policy is created or modified by SAM user.

(2 of 2)

Table 108-17 Distribution Mode

Name	Value
Displayed name	Distribution Mode
OSS name	distributionMode
Type	sitesec.DistributionMode
Default	syncWithGlobal
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 108-18 Home Directory

Name	Value
Displayed name	Home Directory
OSS name	homeDirectory
Type	STRING
Minimum	0
Maximum	200
Tab|Panel	General|File System Permissions
Description	The value of tmnxUserHomeDirectory specifies the local home directory for the user for console and FTP access.

Table 108-19 New Authentication Password

Name	Value
Displayed name	New Authentication Password

(1 of 2)

Name	Value
OSS name	snmpAuthPassword
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	SNMPv3|Set New Authentication Password
Description	SNMP Auth Password

(2 of 2)

Table 108-20 New Privacy Password

Name	Value
Displayed name	New Privacy Password
OSS name	snmpPrivPassword
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	SNMPv3|Set New Privacy Password
Description	Snmp Private Password

Table 108-21 Origin

Name	Value
Displayed name	Origin
OSS name	origin
Type	STRING
Maximum	50
Default	N/A
Read-only	yes
Tab|Panel	General|Policy Configuration
Description	Only applicable to the global policy. Set to the siteId if the policy is created as the part of the specific NE resync or by snmp notification. Set to user name if the policy is created by SAM user.

Table 108-22 Password

Name	Value
Displayed name	Password

(1 of 2)

Name	Value
OSS name	password
Type	STRING
Minimum	0
Maximum	129
Tab|Panel	General|Set New Password (Console and/or FTP)
Description	The value of password specifies the password used to authenticate the user for console and FTP access. tmnxUserPassword and tmnxUserPasswordEncrypted, which indicates whether or not the password string is encrypted, must be set together in the same SNMP request PDU or else the set request will fail with an inconsistentValue error.

(2 of 2)

Table 108-23 Password Last Change Time

Name	Value
Displayed name	Password Last Change Time
OSS name	passwordChangeTime
Type	sitesec.TIME
Default	0
Read-only	yes
Tab|Panel	Statistics|General
Description	The value of passwordChangeTime indicates the value of sysUpTime when the login password was last changed.

Table 108-24 Policy Scope

Name	Value
Displayed name	Policy Scope
OSS name	isLocal
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Policy Configuration

Table 108-25 Privacy Protocol

Name	Value
Displayed name	Privacy Protocol

(1 of 2)

Name	Value
OSS name	snmpPrivProtocol
Type	security.SnmpPrivacyType
Default	No Privacy
Tab|Panel	SNMPv3|General
Description	SNMP Privacy protocol
Enumerated types	
AES-128	
DES	
No Privacy	
Not Configured	

(2 of 2)

Table 108-26 Profile 1

Name	Value
Displayed name	Profile 1
OSS name	consoleMemberProfile1
Type	STRING
Minimum	0
Maximum	32
Default	default
Tab|Panel	Console Profiles|General
Description	The value of tmnxUserConsoleMemberProfile1 specifies a user profile that the user has access to. This profile must be a valid row entry in tmnxUserProfileTable. Each user can access a maximum of 8 user profiles. The value of the n-th user profile can be set only if all previous user profiles (1 through (n-1)) are non-empty strings. The order of the user profiles is important. The first user profile has highest precedence, followed by the second and so on.

Table 108-27 Profile 2

Name	Value
Displayed name	Profile 2
OSS name	consoleMemberProfile2
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	Console Profiles|General

(1 of 2)

Name	Value
Description	The value of tmnxUserConsoleMemberProfile2 specifies a user profile that the user has access to. This profile must be a valid row entry in tmnxUserProfileTable. Each user can access a maximum of 8 user profiles. The value of the n-th user profile can be set only if all previous user profiles (1 through (n-1)) are non-empty strings. The order of the user profiles is important. The first user profile has highest precedence, followed by the second and so on.

(2 of 2)

Table 108-28 Profile 3

Name	Value
Displayed name	Profile 3
OSS name	consoleMemberProfile3
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	Console Profiles|General
Description	The value of tmnxUserConsoleMemberProfile3 specifies a user profile that the user has access to. This profile must be a valid row entry in tmnxUserProfileTable. Each user can access a maximum of 8 user profiles. The value of the n-th user profile can be set only if all previous user profiles (1 through (n-1)) are non-empty strings. The order of the user profiles is important. The first user profile has highest precedence, followed by the second and so on.

Table 108-29 Profile 4

Name	Value
Displayed name	Profile 4
OSS name	consoleMemberProfile4
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	Console Profiles|General
Description	The value of tmnxUserConsoleMemberProfile4 specifies a user profile that the user has access to. This profile must be a valid row entry in tmnxUserProfileTable. Each user can access a maximum of 8 user profiles. The value of the n-th user profile can be set only if all previous user profiles (1 through (n-1)) are non-empty strings. The order of the user profiles is important. The first user profile has highest precedence, followed by the second and so on.

Table 108-30 Profile 5

Name	Value
Displayed name	Profile 5
OSS name	consoleMemberProfile5
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	Console Profiles|General
Description	The value of tmnxUserConsoleMemberProfile5 specifies a user profile that the user has access to. This profile must be a valid row entry in tmnxUserProfileTable. Each user can access a maximum of 8 user profiles. The value of the n-th user profile can be set only if all previous user profiles (1 through (n-1)) are non-empty strings. The order of the user profiles is important. The first user profile has highest precedence, followed by the second and so on.

Table 108-31 Profile 6

Name	Value
Displayed name	Profile 6
OSS name	consoleMemberProfile6
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	Console Profiles|General
Description	The value of tmnxUserConsoleMemberProfile6 specifies a user profile that the user has access to. This profile must be a valid row entry in tmnxUserProfileTable. Each user can access a maximum of 8 user profiles. The value of the n-th user profile can be set only if all previous user profiles (1 through (n-1)) are non-empty strings. The order of the user profiles is important. The first user profile has highest precedence, followed by the second and so on.

Table 108-32 Profile 7

Name	Value
Displayed name	Profile 7
OSS name	consoleMemberProfile7
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	Console Profiles|General

(1 of 2)

Name	Value
Description	The value of tmnxUserConsoleMemberProfile7 specifies a user profile that the user has access to. This profile must be a valid row entry in tmnxUserProfileTable. Each user can access a maximum of 8 user profiles. The value of the n-th user profile can be set only if all previous user profiles (1 through (n-1)) are non-empty strings. The order of the user profiles is important. The first user profile has highest precedence, followed by the second and so on.

(2 of 2)

Table 108-33 Profile 8

Name	Value
Displayed name	Profile 8
OSS name	consoleMemberProfile8
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	Console Profiles|General
Description	The value of tmnxUserConsoleMemberProfile8 specifies a user profile that the user has access to. This profile must be a valid row entry in tmnxUserProfileTable. Each user can access a maximum of 8 user profiles. The value of the n-th user profile can be set only if all previous user profiles (1 through (n-1)) are non-empty strings. The order of the user profiles is important. The first user profile has highest precedence, followed by the second and so on.

Table 108-34 Restrict to Home

Name	Value
Displayed name	Restrict to Home
OSS name	isRestrictedToHome
Type	generic.TruthValue
Tab|Panel	General|File System Permissions
Description	When the value of tmnxUserRestrictedToHome is 'true', the user is not allowed to navigate to directories above his home directory for file access. When the value of tmnxUserRestrictedToHome is 'false', the user is allowed access to directories above his home directory.

Table 108-35 Session Inactivity Timeout

Name	Value
Displayed name	Session Inactivity Timeout
OSS name	sessionInactivityTimeout

(1 of 2)

Name	Value
Type	INT
Minimum	0
Maximum	999
Default	0
Units	minutes
Tab|Panel	General|PSS Specific Attributes

(2 of 2)

Table 108-36 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 108-37 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 108-38 Status

Name	Value
Displayed name	Status
OSS name	snmpRowStatus
Type	sitesec.RowStatus
Default	Enabled

(1 of 2)

Name	Value
Tab|Panel	SNMPv3|PSS Specific Attributes
Enumerated types	
Disabled	
Enabled	

(2 of 2)

Table 108-39 Status

Name	Value
Displayed name	Status
OSS name	rowStatus
Type	sitesec.RowStatus
Default	Enabled
Tab|Panel	General|PSS Specific Attributes
Enumerated types	
Disabled	
Enabled	

Table 108-40 Successful Logins

Name	Value
Displayed name	Successful Logins
OSS name	successfulLogins
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Statistics|General
Description	The value of successfulLogins indicates the number of times the user has successfully logged in.

Table 108-41 User Name

Name	Value
Displayed name	User Name
OSS name	displayedName
Type	STRING

(1 of 2)

Name	Value
Minimum	0
Maximum	80
Mandatory on creation	yes
Tab|Panel	General|General

(2 of 2)

109 —NQueueEntry

Table 109-1 NQueueEntry parameters

Parameters	
CIR	ID
CIR Adaptation	Mode
CIR Level	PIR
Committed Burst Size	PIR Adaptation
Containing Policy Name	Queue Management Policy
Description	Weight
Displayed Name	Weight

Table 109-2 CIR

Name	Value
Displayed name	CIR
OSS name	cir
Type	INT
Minimum	-1
Maximum	10000000
Default	0
Units	%
Tab|Panel	CIR/PIR|General

Table 109-3 CIR Adaptation

Name	Value
Displayed name	CIR Adaptation
OSS name	cirAdaptation
Type	qos.RateAdaptationRule
Default	Closest
Tab|Panel	CIR/PIR|General
Description	Specifies the adaptation rule used to compute the operational CIR value.
Enumerated types	
Closest	
Max	
Min	

Table 109-4 CIR Level

Name	Value
Displayed name	CIR Level
OSS name	portParentCirLevel
Type	qos.Level
Default	1
Tab|Panel	General|Port Parent
Enumerated types	
1	
2	
3	
4	
5	
6	
7	
8	

Table 109-5 Committed Burst Size

Name	Value
Displayed name	Committed Burst Size
OSS name	cbs

(1 of 2)

Name	Value
Type	FLOAT
Minimum	0
Maximum	100
Default	0
Units	%
Mandatory on creation	yes
Tab|Panel	Burst Size|General

(2 of 2)

Table 109-6 Containing Policy Name

Name	Value
Displayed name	Containing Policy Name
OSS name	containingPolicyDisplayedName
Type	STRING
Maximum	80
Read-only	yes
Tab|Panel	General|General

Table 109-7 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 109-8 Displayed Name

Name	Value
Displayed name	Displayed Name
OSS name	displayedName
Type	STRING
Minimum	0

(1 of 2)

Name	Value
Maximum	80
Tab|Panel	General|General

(2 of 2)

Table 109-9 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	0
Maximum	4294967295
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 109-10 Mode

Name	Value
Displayed name	Mode
OSS name	mode
Type	sasqos.QueueMode
Default	Weighted
Tab|Panel	General|General
Description	specifies whether the egress queue is scheduled according to strict priority or weighted priority
Enumerated types	
Strict	
Weighted	

Table 109-11 PIR

Name	Value
Displayed name	PIR
OSS name	pir
Type	INT

(1 of 2)

Name	Value
Minimum	-1
Maximum	10000000
Default	-1
Units	%
Tab|Panel	CIR/PIR|General

(2 of 2)

Table 109-12 PIR Adaptation

Name	Value
Displayed name	PIR Adaptation
OSS name	pirAdaptation
Type	qos.RateAdaptationRule
Default	Closest
Tab|Panel	CIR/PIR|General
Description	Specifies the adaptation rule used to compute the operational PIR value.
Enumerated types	
Closest	
Max	
Min	

Table 109-13 Queue Management Policy

Name	Value
Displayed name	Queue Management Policy
OSS name	queuemgmtPolicyPointer
Type	POINTER
Default	sasQueueMgmtPolicy:default
Tab|Panel	General|General

Table 109-14 Weight

Name	Value
Displayed name	Weight
OSS name	portParentWeight
Type	qos.WeightWithoutZero

(1 of 4)

Name	Value
Default	001
Tab|Panel	General|Port Parent
Enumerated types	
001	
010	
100	
011	
012	
013	
014	
015	
016	
017	
018	
019	
002	
020	
021	
022	
023	
024	
025	
026	
027	
028	
029	
003	
030	
031	
032	
033	
034	
035	
036	
037	
038	
039	

(2 of 4)

Name	Value
004	
040	
041	
042	
043	
044	
045	
046	
047	
048	
049	
005	
050	
051	
052	
053	
054	
055	
056	
057	
058	
059	
006	
060	
061	
062	
063	
064	
065	
066	
067	
068	
069	
007	
070	
071	
072	

(3 of 4)

Name	Value
073	
074	
075	
076	
077	
078	
079	
008	
080	
081	
082	
083	
084	
085	
086	
087	
088	
089	
009	
090	
091	
092	
093	
094	
095	
096	
097	
098	
099	

(4 of 4)

Table 109-15 Weight

Name	Value
Displayed name	Weight
OSS name	weight
Type	INT

(1 of 2)

Name	Value
Minimum	1
Maximum	15
Default	1
Tab|Panel	General|General
Description	specifies a relative weight for the egress queue that determines its scheduling priority

(2 of 2)

110 —NTP NE Config

Table 110-1 NTP NE Config parameters

Parameters	
Admin State	NTP State
Authentication Check	NTP Synched
Clock Source	Operational State
Current Server	Server Authenticate
DaylightSavingsTime Configured	Site ID
Drift (Microsecond/second)	Site Name
MDA Time Stamp	Stratum
NTP Clock Mode	Time Offset Hours
NTP Enabled	Time Offset Mins
NTP Scale	Time Offset Seconds
NTP Server	Timezone

Table 110-2 Admin State

Name	Value
Displayed name	Admin State
OSS name	ntpAdminState
Type	ntp.NtpAdminState
Default	3
Tab|Panel	General|NTP Attributes
Description	This specifies the desired administrative state of NTP

(1 of 2)

Name	Value
Enumerated types	
Up	
All Servers Reachable	
Noop	
No Server Reachable	
Only Main Server Reachable	
Only Spare Server Reachable	
Down	

(2 of 2)

Table 110-3 Authentication Check

Name	Value
Displayed name	Authentication Check
OSS name	authenticationCheck
Type	BOOL
Default	true
Tab|Panel	General|NTP Attributes
Description	This specifies whether or not to skip the rejection of NTP PDUs that do not match the authentication key or authentication type requirements. When authenticationCheck has a value of 'true', authentication PDUs are generated and NTP PDUs are authenticated upon receipt.

Table 110-4 Clock Source

Name	Value
Displayed name	Clock Source
OSS name	ntpSysRefId
Type	STRING
Default	no
Tab|Panel	General|NTP Attributes

Table 110-5 Current Server

Name	Value
Displayed name	Current Server
OSS name	ntpServerCurrentIpAddress

(1 of 2)

Name	Value
Type	ntp.IPADDR
Default	0.0.0.0
Tab|Panel	General|NTP

(2 of 2)

Table 110-6 DaylightSavingsTime Configured

Name	Value
Displayed name	DaylightSavingsTime Configured
OSS name	daylightSavingsConfigured
Type	BOOL
Tab|Panel	General|NTP

Table 110-7 Drift (Microsecond/second)

Name	Value
Displayed name	Drift (Microsecond/second)
OSS name	drift
Type	STRING
Tab|Panel	General|NTP

Table 110-8 MDA Time Stamp

Name	Value
Displayed name	MDA Time Stamp
OSS name	ntpMdaTimeStamp
Type	BOOL
Default	false
Tab|Panel	General|NTP Attributes
Description	This specifies whether the NTP origin timestamp is generated by the MDA. Also the ntpMdaTimeStamp indicates that the reception time of NTP packets is performed by the MDA. MDA timestamping cannot be enabled if servers are configured with authentication enabled. Enabling MDA timestamping will not affect NTP packets that are transmitted or received on the management port.

Table 110-9 NTP Clock Mode

Name	Value
Displayed name	NTP Clock Mode
OSS name	clockMode
Type	ntp.NtpClockMode
Tab|Panel	General|NTP
Enumerated types	
FreeRunning	
Holdover	
NtpSync	
NtpSyncRedundant	

Table 110-10 NTP Enabled

Name	Value
Displayed name	NTP Enabled
OSS name	ntpEnable
Type	BOOL
Tab|Panel	General|NTP

Table 110-11 NTP Scale

Name	Value
Displayed name	NTP Scale
OSS name	ntpScale
Type	INT
Default	10
Tab|Panel	General|NTP

Table 110-12 NTP Server

Name	Value
Displayed name	NTP Server
OSS name	ntpConfigServer
Type	BOOL

(1 of 2)

Name	Value
Default	false
Tab|Panel	General|NTP Attributes
Description	This specifies whether or not the NTP configuration is acting as a NTP server or not.

(2 of 2)

Table 110-13 NTP State

Name	Value
Displayed name	NTP State
OSS name	ntpStatus
Type	ntp.NtpStatus
Default	Disabled
Tab|Panel	General|General
Description	This specifies whether or not NTP is configured to execute in the system.
Enumerated types	
Enabled	
Disabled	

Table 110-14 NTP Synched

Name	Value
Displayed name	NTP Synched
OSS name	ntpSynched
Type	BOOL
Tab|Panel	General|NTP

Table 110-15 Operational State

Name	Value
Displayed name	Operational State
OSS name	ntpOperState
Type	ntp.NtpAdminState
Default	no
Tab|Panel	General|NTP Attributes
Description	This indicates the current operational state for NTP
Enumerated types	

(1 of 2)

Name	Value
Up	
All Servers Reachable	
Noop	
No Server Reachable	
Only Main Server Reachable	
Only Spare Server Reachable	
Down	

(2 of 2)

Table 110-16 Server Authenticate

Name	Value
Displayed name	Server Authenticate
OSS name	ntpConfigServerAuthenticate
Type	BOOL
Default	false
Tab|Panel	General|NTP Attributes
Description	This specifies whether or not to require authentication of NTP PDUs when acting as a server. When ntpConfigServerAuthenticate has a value of 'true', NTP PDUs are authenticated upon receipt.

Table 110-17 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 110-18 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName

(1 of 2)

Name	Value
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

(2 of 2)

Table 110-19 Stratum

Name	Value
Displayed name	Stratum
OSS name	ntpSysStratum
Type	STRING
Default	no
Tab|Panel	General|NTP Attributes

Table 110-20 Time Offset Hours

Name	Value
Displayed name	Time Offset Hours
OSS name	timeOffsetHours
Type	INT
Minimum	-12
Maximum	12
Default	0
Tab|Panel	General|NTP

Table 110-21 Time Offset Mins

Name	Value
Displayed name	Time Offset Mins
OSS name	timeOffsetMins
Type	INT
Minimum	0
Maximum	59
Default	0
Tab|Panel	General|NTP

Table 110-22 Time Offset Seconds

Name	Value
Displayed name	Time Offset Seconds
OSS name	timeOffsetSeconds
Type	STRING
Default	0
Tab|Panel	General|NTP

Table 110-23 Timezone

Name	Value
Displayed name	Timezone
OSS name	timezone
Type	STRING
Minimum	0
Maximum	128
Tab|Panel	General|NTP

111 —NTP Server

Table 111-1 NTP Server parameters

Parameters	
Address Type	Offset
Authentication Key Id	PollingInterval
ClockType	Preferred Server
Delay	PTP Server
Index	Reach
IP Address	ReferenceID
Is Active	Site ID
Jitter	Site Name
Key Index	Status
NTP Version	Stratum

Table 111-2 Address Type

Name	Value
Displayed name	Address Type
OSS name	ntpServersAddressType
Type	rtr.InetAddressType
Default	IPv4
Tab|Panel	General|General
Enumerated types	
DNS	

(1 of 2)

Name	Value
IPv4	
IPv4 Multicast	
IPv4z	
IPv6	
IPv6 Multicast	
IPv6z	
Unknown	

(2 of 2)

Table 111-3 Authentication Key Id

Name	Value
Displayed name	Authentication Key Id
OSS name	ntpServerAuthKeyId
Type	LONG
Minimum	0
Maximum	255
Default	0
Tab|Panel	General|General
Description	This specifies the key-id of the authentication key and its authentication type used by this node to receive and transmit NTP packets to and from an NTP node.

Table 111-4 ClockType

Name	Value
Displayed name	ClockType
OSS name	clockType
Type	STRING
Tab|Panel	General|General

Table 111-5 Delay

Name	Value
Displayed name	Delay
OSS name	delay
Type	STRING

(1 of 2)

Name	Value
Tab|Panel	General|General

(2 of 2)

Table 111-6 Index

Name	Value
Displayed name	Index
OSS name	index
Type	INT
Minimum	1
Maximum	3
Tab|Panel	General|General

Table 111-7 IP Address

Name	Value
Displayed name	IP Address
OSS name	ipAddress
Type	INETADDR
Mandatory on creation	yes
Tab|Panel	General|General
Description	This specifies the ip address that uniquely identifies a node that will provide time to the NTP client of this system.

Table 111-8 Is Active

Name	Value
Displayed name	Is Active
OSS name	isActive
Type	BOOL
Default	false
Tab|Panel	General|General

Table 111-9 Jitter

Name	Value
Displayed name	Jitter
OSS name	jitter
Type	STRING
Tab|Panel	General|General

Table 111-10 Key Index

Name	Value
Displayed name	Key Index
OSS name	keyIndex
Type	LONG
Default	no
Tab|Panel	General|General

Table 111-11 NTP Version

Name	Value
Displayed name	NTP Version
OSS name	ntpServerVersion
Type	ntp.NTPVersion
Default	version-4
Tab|Panel	General|General
Description	This specifies the NTP version number generated or accepted by this node in NTP packets.
Enumerated types	
version-2	
version-3	
version-4	

Table 111-12 Offset

Name	Value
Displayed name	Offset
OSS name	offset

(1 of 2)

Name	Value
Type	STRING
Tab|Panel	General|General

(2 of 2)

Table 111-13 PollingInterval

Name	Value
Displayed name	PollingInterval
OSS name	pollingInterval
Type	STRING
Tab|Panel	General|General

Table 111-14 Preferred Server

Name	Value
Displayed name	Preferred Server
OSS name	ntpServerPrefer
Type	BOOL
Default	false
Tab|Panel	General|General
Description	This specifies whether or not this is the preferred NTP server to receive time from.

Table 111-15 PTP Server

Name	Value
Displayed name	PTP Server
OSS name	ntpPtpServer
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Ptp is a special value of ntp server that is equal to ipv4 address 127.127.1.0

Table 111-16 Reach

Name	Value
Displayed name	Reach
OSS name	reach
Type	STRING
Tab|Panel	General|General

Table 111-17 ReferenceID

Name	Value
Displayed name	ReferenceID
OSS name	referenceID
Type	STRING
Tab|Panel	General|General

Table 111-18 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 111-19 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 111-20 Status

Name	Value
Displayed name	Status
OSS name	status
Type	STRING
Tab|Panel	General|General

Table 111-21 Stratum

Name	Value
Displayed name	Stratum
OSS name	stratum
Type	STRING
Tab|Panel	General|General

112 —OCH Cross Connect

Table 112-1 OCH Cross Connect parameters

Parameters	
Administrative State	Operational Capability
A-Z Rekey	Operational State
Bidirectional	Power Management Type
Bit Rate AZ	Protection State
Bit Rate / Encoding AZ	Site ID
Bit Rate / Encoding ZA	Site Name
Bit Rate ZA	Source
Destination	StateQualifier
Encoding AZ	Wave Key 1 AZ
Encoding ZA	Wave Key 1 ZA
Endpoint A	Wave Key 2 AZ
Endpoint Z	Wave Key 2 ZA
ITU Channel	Wave Key Assign Mode
OCH Trail Name	XC Type
OCH XC ID	Z-A Rekey

Table 112-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	optical.ConnectionAdminState

(1 of 2)

Name	Value
Default	Up
Mandatory on creation	yes
Tab|Panel	CrossConnects|States
Description	The administrative state of the connection.
Enumerated types	
Automatic In-Service	
Blocking	
Down	
Maintenance	
Partially Down	
Standby/Backup	
Unknown	
Up	

(2 of 2)

Table 112-3 A-Z Rekey

Name	Value
Displayed name	A-Z Rekey
OSS name	rekeyAZ
Type	BOOL
Default	false
Tab|Panel	CrossConnects|Wave Key
Description	Setting rekeyAZ to true allows the user to request a rekey in the A-Z direction.

Table 112-4 Bidirectional

Name	Value
Displayed name	Bidirectional
OSS name	biDirectional
Type	BOOL
Default	true
Tab|Panel	CrossConnects|General
Description	Indicates if this connection is a unidirectional or bidirectional connection.

Table 112-5 Bit Rate AZ

Name	Value
Displayed name	Bit Rate AZ
OSS name	bitRateTextAZ
Type	STRING
Tab|Panel	CrossConnects|Received Technology
Description	Received Bit Rate AZ description.

Table 112-6 Bit Rate / Encoding AZ

Name	Value
Displayed name	Bit Rate / Encoding AZ
OSS name	technologyTypeAZ
Type	POINTER
Tab|Panel	CrossConnects|User Technology AZ
Description	Pointer to a user provisioned system-wide technology type (Bit-Rate + Encoding) in the AZ direction

Table 112-7 Bit Rate / Encoding ZA

Name	Value
Displayed name	Bit Rate / Encoding ZA
OSS name	technologyTypeZA
Type	POINTER
Tab|Panel	CrossConnects|User Technology ZA
Description	Pointer to a user provisioned system-wide technology type (Bit-Rate + Encoding) in the ZA direction

Table 112-8 Bit Rate ZA

Name	Value
Displayed name	Bit Rate ZA
OSS name	bitRateTextZA
Type	STRING
Tab|Panel	CrossConnects|Received Technology
Description	Received Bit Rate ZA description.

Table 112-9 Destination

Name	Value
Displayed name	Destination
OSS name	endpointZName
Type	STRING
Read-only	yes
Tab|Panel	CrossConnects|General
Description	Name of the endpoint Z, used for display.

Table 112-10 Encoding AZ

Name	Value
Displayed name	Encoding AZ
OSS name	encodingTextAZ
Type	STRING
Tab|Panel	CrossConnects|Received Technology
Description	Received encoding AZ description.

Table 112-11 Encoding ZA

Name	Value
Displayed name	Encoding ZA
OSS name	encodingTextZA
Type	STRING
Tab|Panel	CrossConnects|Received Technology
Description	Received encoding ZA description.

Table 112-12 Endpoint A

Name	Value
Displayed name	Endpoint A
OSS name	portAPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	CrossConnects|Endpoint A

(1 of 2)

Name	Value
Description	Physical port pointer for A end.

(2 of 2)

Table 112-13 Endpoint Z

Name	Value
Displayed name	Endpoint Z
OSS name	portZPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	CrossConnects|Endpoint Z
Description	Physical port pointer for Z end.

Table 112-14 ITU Channel

Name	Value
Displayed name	ITU Channel
OSS name	srcChannel
Type	optical.ITUChannel
Default	8760
Tab|Panel	CrossConnects|Wave Key
Description	The channel of the connection source.
Enumerated types	
1310	
1471	
1490	
1491	
1511	
1530	
1531	
1550	
1551	
1571	
1591	
1611	
1625	

(1 of 7)

Name	Value
850	
8650	
8655	
8660	
8665	
8670	
8675	
8680	
8685	
8690	
8695	
8700	
8705	
8710	
8715	
8720	
8725	
8730	
8735	
8740	
8745	
8750	
8755	
8760	
8765	
8770	
8775	
8780	
8785	
8790	
8795	
8800	
8805	
8810	
8815	
8820	
8825	

(2 of 7)

Name	Value
8830	
8835	
8840	
8845	
8850	
8855	
8860	
8865	
8870	
8875	
8880	
8885	
8890	
8895	
8900	
8905	
8910	
8915	
8920	
8925	
8930	
8935	
8940	
8945	
8950	
8955	
8960	
8965	
8970	
8975	
8980	
8985	
8990	
8995	
9000	
9005	
9010	

(3 of 7)

Name	Value
9015	
9020	
9025	
9030	
9035	
9040	
9045	
9050	
9055	
9060	
9065	
9070	
9075	
9080	
9085	
9090	
9095	
9100	
9105	
9110	
9115	
9120	
9125	
9130	
9135	
9140	
9145	
9150	
9155	
9160	
9165	
9170	
9175	
9180	
9185	
9190	
9195	

(4 of 7)

Name	Value
9200	
9205	
9210	
9215	
9220	
9225	
9230	
9235	
9240	
9245	
9250	
9255	
9260	
9265	
9270	
9275	
9280	
9285	
9290	
9295	
9300	
9305	
9310	
9315	
9320	
9325	
9330	
9335	
9340	
9345	
9350	
9355	
9360	
9365	
9370	
9375	
9380	

(5 of 7)

Name	Value
9385	
9390	
9395	
9400	
9405	
9410	
9415	
9420	
9425	
9430	
9435	
9440	
9445	
9450	
9455	
9460	
9465	
9470	
9475	
9480	
9485	
9490	
9495	
9500	
9505	
9510	
9515	
9520	
9525	
9530	
9535	
9540	
9545	
9550	
9555	
9560	
9565	

(6 of 7)

Name	Value
9570	
9575	
9580	
9585	
9590	
9595	
9600	
9605	
None	

(7 of 7)

Table 112-15 OCH Trail Name

Name	Value
Displayed name	OCH Trail Name
OSS name	xcName
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	CrossConnects|General
Description	Can be deployed on NE for OCh crossconnect. For OCh XC the max length is 80, so we keep this for OT XCs too. This is the OCHTrail name for OCH XCs.

Table 112-16 OCH XC ID

Name	Value
Displayed name	OCH XC ID
OSS name	ochXcId
Type	LONG
Tab|Panel	CrossConnects|General
Description	Crossconnect Index in the NE.

Table 112-17 Operational Capability

Name	Value
Displayed name	Operational Capability

(1 of 2)

Name	Value
OSS name	operCapability
Type	optical.DisabledEnabled
Tab|Panel	CrossConnects|States
Description	The operational capability of the connection.
Enumerated types	
Disabled	
Enabled	

(2 of 2)

Table 112-18 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	optical.ConnectionOperState
Tab|Panel	CrossConnects|States
Description	The operational state of the connection.
Enumerated types	
Down	
Partially Down	
Unknown	
Up	

Table 112-19 Power Management Type

Name	Value
Displayed name	Power Management Type
OSS name	powerMgmtType
Type	optical.PowerMgmtType
Tab|Panel	CrossConnects|Power Management
Description	The type of power management.
Enumerated types	
Auto	
Hybrid	
Manual	

Table 112-20 Protection State

Name	Value
Displayed name	Protection State
OSS name	protectionState
Type	optical.ProtectionState
Default	Unprotected
Mandatory on creation	yes
Tab|Panel	CrossConnects|States
Description	The protection state of the connection.
Enumerated types	
Unprotected	
Protection	
Working	

Table 112-21 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Tab|Panel	CrossConnects|General
Description	Site id.

Table 112-22 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Tab|Panel	CrossConnects|General
Description	Site name.

Table 112-23 Source

Name	Value
Displayed name	Source
OSS name	endpointAName
Type	STRING
Read-only	yes
Tab|Panel	CrossConnects|General
Description	Name of the endpoint A, used for display.

Table 112-24 StateQualifier

Name	Value
Displayed name	StateQualifier
OSS name	stateQualifier
Type	optical.XcStateQualifier
Tab|Panel	CrossConnects|States
Description	The state qualifier of the connection.
Enumerated types	
FDI AZ	
FDI ZA	
In Progress	
Invalid Topology	
Manual Override	
Mismatched Wave Keys AZ	
Mismatched Wave Keys ZA	
Port Down	
Unknown Wave Key AZ	
Unknown Wave Key ZA	

Table 112-25 Wave Key 1 AZ

Name	Value
Displayed name	Wave Key 1 AZ
OSS name	waveKey1AZ
Type	INT
Minimum	0

(1 of 2)

Name	Value
Maximum	4096
Tab|Panel	CrossConnects|Wave Key
Description	One of many possible Wave Keys expected to be riding on a particular channel. A value of zero indicates no Wave Key expected in the forward direction. If, without setting any other attributes and tnOchXcItuWaveKeyAutoSelect is true, tnOchXcItuEncodedWaveKey1AZ has been set and the values have been set to 0,a rekey will be performed in the AZ direction. Current configurable range: 0 to 4096.

(2 of 2)

Table 112-26 Wave Key 1 ZA

Name	Value
Displayed name	Wave Key 1 ZA
OSS name	waveKey1ZA
Type	INT
Minimum	0
Maximum	4096
Tab|Panel	CrossConnects|Wave Key
Description	One of many possible Wave Keys expected to be riding on a particular channel. A value of zero indicates no Wave Key expected in the reverse direction. If, without setting any other attributes and tnOchXcItuWaveKeyAutoSelect is true, tnOchXcItuEncodedWaveKey1ZA has been set and the values have been set to 0,a rekey will be performed in the ZA direction. Current configurable range: 0 to 4096.

Table 112-27 Wave Key 2 AZ

Name	Value
Displayed name	Wave Key 2 AZ
OSS name	waveKey2AZ
Type	INT
Minimum	0
Maximum	4096
Tab|Panel	CrossConnects|Wave Key
Description	One of many possible Wave Keys expected to be riding on a particular channel. A value of zero indicates no Wave Key expected in the forward direction. If, without setting any other attributes and tnOchXcItuWaveKeyAutoSelect is true, tnOchXcItuEncodedWaveKey2AZ has been set and the values have been set to 0,a rekey will be performed in the AZ direction. Current configurable range: 0 to 4096.

Table 112-28 Wave Key 2 ZA

Name	Value
Displayed name	Wave Key 2 ZA
OSS name	waveKey2ZA
Type	INT
Minimum	0
Maximum	4096
Tab|Panel	CrossConnects|Wave Key
Description	One of many possible Wave Keys expected to be riding on a particular channel. A value of zero indicates no Wave Key expected in the reverse direction. If, without setting any other attributes and tnOchXcItuWaveKeyAutoSelect is true, tnOchXcItuEncodedWaveKey2ZA has been set and the values have been set to 0,a rekey will be performed in the ZA direction. Current configurable range: 0 to 4096.

Table 112-29 Wave Key Assign Mode

Name	Value
Displayed name	Wave Key Assign Mode
OSS name	wavekeySelect
Type	optical.WavekeySelect
Tab|Panel	CrossConnects|Wave Key
Description	Indicates how the OCH XC's Wave Keys are selected and distributed to other nodes.
Enumerated types	
Auto Keying (NE)	
Auto Keying (NMS)	
Unkeyed	

Table 112-30 XC Type

Name	Value
Displayed name	XC Type
OSS name	xcType
Type	optical.XcType
Tab|Panel	CrossConnects|General
Description	The type of OCH cross connect connection.
Enumerated types	
Add	
Add Drop	

(1 of 2)

Name	Value
Continue	
Drop	
Thru	

(2 of 2)

Table 112-31 Z-A Rekey

Name	Value
Displayed name	Z-A Rekey
OSS name	rekeyZA
Type	BOOL
Default	false
Tab|Panel	CrossConnects|Wave Key
Description	Setting rekeyZA to true allows the user to request a rekey in the Z-A direction.

113 —OchCtp

Table 113-1 OchCtp parameters

Parameters	
Assigned Rate	Name
Channel	Site ID
Ctp ID	Site Name
Layer Type	

Table 113-2 Assigned Rate

Name	Value
Displayed name	Assigned Rate
OSS name	assignedRate
Type	optical.AssignedRate
Tab|Panel	General|General
Description	The assigned rate - OTU1, GigE, OC3…
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	

(1 of 3)

Name	Value
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	

(2 of 3)

Name	Value
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 113-3 Channel

Name	Value
Displayed name	Channel
OSS name	channel
Type	optical.ITUChannel
Default	8760
Tab|Panel	General|General
Description	The CWDM or DWDM channel from the ITU grid.
Enumerated types	
1310	
1471	
1490	
1491	

(1 of 7)

Name	Value
1511	
1530	
1531	
1550	
1551	
1571	
1591	
1611	
1625	
850	
8650	
8655	
8660	
8665	
8670	
8675	
8680	
8685	
8690	
8695	
8700	
8705	
8710	
8715	
8720	
8725	
8730	
8735	
8740	
8745	
8750	
8755	
8760	
8765	
8770	
8775	
8780	

(2 of 7)

Name	Value
8785	
8790	
8795	
8800	
8805	
8810	
8815	
8820	
8825	
8830	
8835	
8840	
8845	
8850	
8855	
8860	
8865	
8870	
8875	
8880	
8885	
8890	
8895	
8900	
8905	
8910	
8915	
8920	
8925	
8930	
8935	
8940	
8945	
8950	
8955	
8960	
8965	

(3 of 7)

Name	Value
8970	
8975	
8980	
8985	
8990	
8995	
9000	
9005	
9010	
9015	
9020	
9025	
9030	
9035	
9040	
9045	
9050	
9055	
9060	
9065	
9070	
9075	
9080	
9085	
9090	
9095	
9100	
9105	
9110	
9115	
9120	
9125	
9130	
9135	
9140	
9145	
9150	

(4 of 7)

Name	Value
9155	
9160	
9165	
9170	
9175	
9180	
9185	
9190	
9195	
9200	
9205	
9210	
9215	
9220	
9225	
9230	
9235	
9240	
9245	
9250	
9255	
9260	
9265	
9270	
9275	
9280	
9285	
9290	
9295	
9300	
9305	
9310	
9315	
9320	
9325	
9330	
9335	

(5 of 7)

Name	Value
9340	
9345	
9350	
9355	
9360	
9365	
9370	
9375	
9380	
9385	
9390	
9395	
9400	
9405	
9410	
9415	
9420	
9425	
9430	
9435	
9440	
9445	
9450	
9455	
9460	
9465	
9470	
9475	
9480	
9485	
9490	
9495	
9500	
9505	
9510	
9515	
9520	

(6 of 7)

Name	Value
9525	
9530	
9535	
9540	
9545	
9550	
9555	
9560	
9565	
9570	
9575	
9580	
9585	
9590	
9595	
9600	
9605	
None	

(7 of 7)

Table 113-4 Ctp ID

Name	Value
Displayed name	Ctp ID
OSS name	ctpId
Type	INT
Minimum	1
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the Ctp.

Table 113-5 Layer Type

Name	Value
Displayed name	Layer Type

(1 of 2)

Name	Value
OSS name	layerType
Type	optical.LayerType
Tab|Panel	General|General
Description	The layer type - OCH, OTU, ODU, Electrical…
Enumerated types	
Client	
Ethernet	
High Order ODU	
Low Order ODU	
OCH	
ODU	
OTU	

(2 of 2)

Table 113-6 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 113-7 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 113-8 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

114 —OCH Trail

Table 114-1 OCH Trail parameters

Parameters	
Administrative State	Path Preference
A to Z	Protection Level
Bidirectional	Protection Type
Channel	Rate
Connection Type	Trail ID
Customer	Trail Name
Force Create OCh XC	Wave Key Assign Mode
Operational State	Z to A

Table 114-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	optical.ConnectionAdminState
Default	Up
Mandatory on creation	yes
Tab|Panel	General|States
Description	The administrative state of the connection.
Enumerated types	
Automatic In-Service	

(1 of 2)

Name	Value
Blocking	
Down	
Maintenance	
Partially Down	
Standby/Backup	
Unknown	
Up	

(2 of 2)

Table 114-3 A to Z

Name	Value
Displayed name	A to Z
OSS name	activePathAZ
Type	optical.ProtectionState
Tab|Panel	General|Active Path
Description	Indicates which trail path is the active one in the AZ direction.
Enumerated types	
Unprotected	
Protection	
Working	

Table 114-4 Bidirectional

Name	Value
Displayed name	Bidirectional
OSS name	biDirectional
Type	BOOL
Default	true
Tab|Panel	General|General
Description	Indicates if this connection is a unidirectional or bidirectional connection.

Table 114-5 Channel

Name	Value
Displayed name	Channel

(1 of 7)

Name	Value
OSS name	channel
Type	optical.ITUChannel
Default	None
Mandatory on creation	yes
Tab|Panel	General|OCH
Description	ITU Channel number.
Enumerated types	
1310	
1471	
1490	
1491	
1511	
1530	
1531	
1550	
1551	
1571	
1591	
1611	
1625	
850	
8650	
8655	
8660	
8665	
8670	
8675	
8680	
8685	
8690	
8695	
8700	
8705	
8710	
8715	
8720	
8725	

(2 of 7)

Name	Value
8730	
8735	
8740	
8745	
8750	
8755	
8760	
8765	
8770	
8775	
8780	
8785	
8790	
8795	
8800	
8805	
8810	
8815	
8820	
8825	
8830	
8835	
8840	
8845	
8850	
8855	
8860	
8865	
8870	
8875	
8880	
8885	
8890	
8895	
8900	
8905	
8910	

(3 of 7)

Name	Value
8915	
8920	
8925	
8930	
8935	
8940	
8945	
8950	
8955	
8960	
8965	
8970	
8975	
8980	
8985	
8990	
8995	
9000	
9005	
9010	
9015	
9020	
9025	
9030	
9035	
9040	
9045	
9050	
9055	
9060	
9065	
9070	
9075	
9080	
9085	
9090	
9095	

(4 of 7)

Name	Value
9100	
9105	
9110	
9115	
9120	
9125	
9130	
9135	
9140	
9145	
9150	
9155	
9160	
9165	
9170	
9175	
9180	
9185	
9190	
9195	
9200	
9205	
9210	
9215	
9220	
9225	
9230	
9235	
9240	
9245	
9250	
9255	
9260	
9265	
9270	
9275	
9280	

(5 of 7)

Name	Value
9285	
9290	
9295	
9300	
9305	
9310	
9315	
9320	
9325	
9330	
9335	
9340	
9345	
9350	
9355	
9360	
9365	
9370	
9375	
9380	
9385	
9390	
9395	
9400	
9405	
9410	
9415	
9420	
9425	
9430	
9435	
9440	
9445	
9450	
9455	
9460	
9465	

(6 of 7)

Name	Value
9470	
9475	
9480	
9485	
9490	
9495	
9500	
9505	
9510	
9515	
9520	
9525	
9530	
9535	
9540	
9545	
9550	
9555	
9560	
9565	
9570	
9575	
9580	
9585	
9590	
9595	
9600	
9605	
None	

(7 of 7)

Table 114-6 Connection Type

Name	Value
Displayed name	Connection Type
OSS name	connectionType
Type	optical.ConnectionType

(1 of 2)

Name	Value
Mandatory on creation	yes
Tab|Panel	General|General
Description	Type of connection.
Enumerated types	
Multipoint Service Path	
OCh CrossConnect	
OCH Trail	
OCH Trail Path	
ODUk CrossConnect	
ODU Trail	
ODU Trail Path	
OT CrossConnect	
OTS Trail	
OTS Trail Path	
OTU Trail	
OTU Trail Path	
Port Trail	
Transport Service	
Service Path	
Virtual ODUk Cross Connect	
VTS CrossConnect	

(2 of 2)

Table 114-7 Customer

Name	Value
Displayed name	Customer
OSS name	subscriberPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General

Table 114-8 Force Create OCh XC

Name	Value
Displayed name	Force Create OCh XC

(1 of 2)

Name	Value
OSS name	forceXcCreate
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Indicates whether the OCH XC should be created by force when power commissioning provisioning state is "InProgress".

(2 of 2)

Table 114-9 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	optical.ConnectionOperState
Tab|Panel	General|States
Description	The operational state of the connection.
Enumerated types	
Down	
Partially Down	
Unknown	
Up	

Table 114-10 Path Preference

Name	Value
Displayed name	Path Preference
OSS name	modifyProtectionPreference
Type	optical.ModifyProtectionPreference
Default	None
Tab|Panel	General|General
Description	Indicates whether the working path or the protection path needs to be retained when Trail protection is modified to unprotected
Enumerated types	
None	
Retain Protection Path	
Retain Working Path	

Table 114-11 Protection Level

Name	Value
Displayed name	Protection Level
OSS name	protectionLevel
Type	optical.ProtectionLevel
Default	Unprotected
Mandatory on creation	yes
Tab|Panel	General|General
Description	The calculated level of protection based on the underlying server OTN layers.
Enumerated types	
Protected	
Segment Protected	
Unprotected	

Table 114-12 Protection Type

Name	Value
Displayed name	Protection Type
OSS name	protection
Type	optical.TrailProtectionType
Default	Unprotected
Tab|Panel	General|General
Description	Protection type of the trail.
Enumerated types	
Diverse Route	
OPS Protected	
Segment Protected	
SNCI Protected	
SNCN Protected	
SNCNC Protected	
Unprotected	
Y-Cable Protected	

Table 114-13 Rate

Name	Value
Displayed name	Rate
OSS name	rate
Type	optical.AssignedRate
Mandatory on creation	yes
Tab|Panel	General|General
Description	Indicates the rate of the trail.
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	

(1 of 2)

Name	Value
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(2 of 2)

Table 114-14 Trail ID

Name	Value
Displayed name	Trail ID
OSS name	connId
Type	LONG
Minimum	1
Maximum	2147483647
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	Unique id for the Connection.

Table 114-15 Trail Name

Name	Value
Displayed name	Trail Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	256
Tab|Panel	General|General
Description	Displayed name of the Connection.

Table 114-16 Wave Key Assign Mode

Name	Value
Displayed name	Wave Key Assign Mode
OSS name	wavekeyAssignMode
Type	optical.WavekeySelect
Default	Auto Keying (NE)
Mandatory on creation	yes
Tab|Panel	General|OCH
Description	Wavekey generation mode.
Enumerated types	
Auto Keying (NE)	
Auto Keying (NMS)	

(1 of 2)

Name	Value
Unkeyed	

(2 of 2)

Table 114-17 Z to A

Name	Value
Displayed name	Z to A
OSS name	activePathZA
Type	optical.ProtectionState
Tab|Panel	General|Active Path
Description	Indicates which trail path is the active one in the ZA direction.
Enumerated types	
Unprotected	
Protection	
Working	

115 —ODU1PTF

Table 115-1 ODU1PTF parameters

Parameters	
Admin State	ODU1PTF Id
Assigned Rate	Payload Type
Associated Line Side LO-ODUk Facility	Payload Type Mismatch Response Enabled
Associated ODU1PTF	Site ID
Ctp ID	Site Name
Expected TTI	Transmitted TTI
Incoming TTI	TTI Comparison Enabled
Layer Type	TTI Mismatch Response Enabled
Name	TTI Status
Odu0 Interworking Enabled	

Table 115-2 Admin State

Name	Value
Displayed name	Admin State
OSS name	administrativeState
Type	optical.XcState
Default	Unknown
Tab|Panel	General|General
Description	Administrative state of the interface. It may be used to suppress the alarms or disable consequent actions on the entity.
Enumerated types	

(1 of 2)

Name	Value
Down	
Unknown	
Up	

(2 of 2)

Table 115-3 Assigned Rate

Name	Value
Displayed name	Assigned Rate
OSS name	assignedRate
Type	optical.AssignedRate
Tab|Panel	General|General
Description	The assigned rate - OTU1, GigE, OC3…
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	

(1 of 3)

Name	Value
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	

(2 of 3)

Name	Value
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 115-4 Associated Line Side LO-ODUk Facility

Name	Value
Displayed name	Associated Line Side LO-ODUk Facility
OSS name	associatedLinePortLoOduk
Type	POINTER
Tab|Panel	General|General
Description	Associated Line side LoOdukChannel object (through Cross Connect).

Table 115-5 Associated ODU1PTF

Name	Value
Displayed name	Associated ODU1PTF
OSS name	peerOdu1Ptf
Type	POINTER
Tab|Panel	General|General
Description	Associated Odu1Ptf object (through Cross Connect).

Table 115-6 Ctp ID

Name	Value
Displayed name	Ctp ID
OSS name	ctpId
Type	INT
Minimum	1
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the Ctp.

Table 115-7 Expected TTI

Name	Value
Displayed name	Expected TTI
OSS name	expectedTti
Type	STRING
Tab|Panel	General|General
Description	The SAPI expected by the receiver.

Table 115-8 Incoming TTI

Name	Value
Displayed name	Incoming TTI
OSS name	incomingTti
Type	STRING
Tab|Panel	General|General
Description	Incoming TTI.

Table 115-9 Layer Type

Name	Value
Displayed name	Layer Type
OSS name	layerType
Type	optical.LayerType
Tab|Panel	General|General
Description	The layer type - OCH, OTU, ODU, Electrical…
Enumerated types	
Client	
Ethernet	
High Order ODU	
Low Order ODU	
OCH	
ODU	
OTU	

Table 115-10 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 115-11 Odu0 Interworking Enabled

Name	Value
Displayed name	Odu0 Interworking Enabled
OSS name	odu0IntWorkEnabled
Type	optical.AluWdmEnabledDisabled
Default	Disabled
Tab|Panel	General|General
Description	It only works on ODU1PTF.
Enumerated types	
Disabled	
Enabled	

Table 115-12 ODU1PTF Id

Name	Value
Displayed name	ODU1PTF Id
OSS name	odu1PtfId
Type	LONG
Mandatory on creation	yes
Tab|Panel	General|General
Description	If of ODU1PTF object.

Table 115-13 Payload Type

Name	Value
Displayed name	Payload Type
OSS name	payloadType
Type	INT
Minimum	0
Maximum	255
Tab|Panel	General|General
Description	Payload type.

Table 115-14 Payload Type Mismatch Response Enabled

Name	Value
Displayed name	Payload Type Mismatch Response Enabled
OSS name	plmConsequenceAction
Type	BOOL
Default	true
Tab|Panel	General|General
Description	PLM consequence action

Table 115-15 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 115-16 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName

(1 of 2)

Name	Value
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

(2 of 2)

Table 115-17 Transmitted TTI

Name	Value
Displayed name	Transmitted TTI
OSS name	transmittedTti
Type	STRING
Tab|Panel	General|General
Description	The trace identifier transmitted.

Table 115-18 TTI Comparison Enabled

Name	Value
Displayed name	TTI Comparison Enabled
OSS name	ttiComparisonEnabled
Type	optical.TimDetectionMode
Tab|Panel	General|General
Description	Indicates the mode of the Trace Identifier Mismatch (TIM) Detection function.
Enumerated types	
Disabled	
Enabled	
Unknown	

Table 115-19 TTI Mismatch Response Enabled

Name	Value
Displayed name	TTI Mismatch Response Enabled
OSS name	ttiMismatchResponseEnabled
Type	BOOL
Tab|Panel	General|General
Description	ODUk incoming forward fault type and fault location (FTFL) type ID.

Table 115-20 TTI Status

Name	Value
Displayed name	TTI Status
OSS name	ttiStatus
Type	optical.AluWdmTtiStatus
Tab|Panel	General|General
Description	TTI status
Enumerated types	
Mismatch	
Normal	
Unavailable	
Unspecified	

116 —ODU Cross Connect

Table 116-1 ODU Cross Connect parameters

Parameters	
Bidirectional	Rate
Destination	Site ID
ID	Site Name
Name	Source
Protection State	

Table 116-2 Bidirectional

Name	Value
Displayed name	Bidirectional
OSS name	biDirectional
Type	BOOL
Default	true
Mandatory on creation	yes
Tab|Panel	General|General
Description	Indicates if this connection is a unidirectional or bidirectional connection.

Table 116-3 Destination

Name	Value
Displayed name	Destination
OSS name	endpointZName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Name of the endpoint Z, used for display.

Table 116-4 ID

Name	Value
Displayed name	ID
OSS name	xcId
Type	LONG
Minimum	1
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	SAM generated XC id used for FDN.

Table 116-5 Name

Name	Value
Displayed name	Name
OSS name	odukXcName
Type	STRING
Mandatory on creation	yes
Tab|Panel	General|General
Description	The description of the Oduk cross connect.

Table 116-6 Protection State

Name	Value
Displayed name	Protection State

(1 of 2)

Name	Value
OSS name	protectionState
Type	optical.ProtectionState
Default	Unprotected
Read-only	yes
Mandatory on creation	yes
Tab|Panel	General|General
Description	The protection state of the connection.
Enumerated types	
Unprotected	
Protection	
Working	

(2 of 2)

Table 116-7 Rate

Name	Value
Displayed name	Rate
OSS name	odukXcRate
Type	optical.OdukXcRate
Mandatory on creation	yes
Tab|Panel	General|General
Description	The Oduk cross connect Rate.
Enumerated types	
Null	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUflex	
ODUflex_3GSDI	

(1 of 2)

Name	Value
ODUFlex-CBR	
ODUflex_FC400	
ODUFlex-GFP	
ODUflex_SDR	
OPTSG	

(2 of 2)

Table 116-8 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Tab|Panel	General|General
Description	Site id.

Table 116-9 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Tab|Panel	General|General
Description	Site name.

Table 116-10 Source

Name	Value
Displayed name	Source
OSS name	endpointAName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Name of the endpoint A, used for display.

117 —OduCtp

Table 117-1 OduCtp parameters

Parameters	
Administrative State	Mapping Mode
AINS State	Name
APS Enabled	Operational State
Expected TTI	Payload Type
Incoming Backward FTFL Operator ID	Payload Type Mismatch Response
Incoming Backward FTFL Type ID	Rate
Incoming EXP	Site ID
Incoming Forward FTFL Operator ID	Site Name
Incoming Forward FTFL Type ID	TP ID
Incoming RES in Row2	Transmitted TTI
Incoming RES in Row4	TTI Comparison
Incoming TTI	TTI Mismatch Response Enabled
Interworking Mode Enabled	TTI Status
Layer Type	

Table 117-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	optical.XcState
Default	Unknown

(1 of 2)

Name	Value
Tab|Panel	General|States
Description	Administrative state of the interface. It may be used to suppress the alarms or disable consequent actions on the entity.
Enumerated types	
Down	
Unknown	
Up	

(2 of 2)

Table 117-3 AINS State

Name	Value
Displayed name	AINS State
OSS name	ainsState
Type	BOOL
Default	false
Tab|Panel	General|States
Description	AINS state of the interface.

Table 117-4 APS Enabled

Name	Value
Displayed name	APS Enabled
OSS name	apsEnabled
Type	optical.APSConfigType
Tab|Panel	General|ODUk Attributes
Description	Enable or disable the proprietary APS bytes insertion in the ODU2 overhead.
Enumerated types	
Proprietary	
Standard	

Table 117-5 Expected TTI

Name	Value
Displayed name	Expected TTI
OSS name	expectedSapi

(1 of 2)

Name	Value
Type	STRING
Minimum	0
Maximum	64
Tab|Panel	General|TTI Attributes
Description	The SAPI expected by the receiver. This object has no effect when timDetMode has the value off(1). SAPI: Source Access Point Identifier. For 1830PSS nodes, valid range is [0..15] bytes. For other nodes valid range is [0..64] bytes.

(2 of 2)

Table 117-6 Incoming Backward FTFL Operator ID

Name	Value
Displayed name	Incoming Backward FTFL Operator ID
OSS name	oduBkwrdFTFLOperId
Type	STRING
Read-only	yes
Tab|Panel	General|ODU Overhead Attributes
Description	This is for ODUk Backward FTFL Oper Id.

Table 117-7 Incoming Backward FTFL Type ID

Name	Value
Displayed name	Incoming Backward FTFL Type ID
OSS name	oduBkwrdFTFLTypeId
Type	STRING
Read-only	yes
Tab|Panel	General|ODU Overhead Attributes
Description	This is for ODUk Backward FTFL Type Id.

Table 117-8 Incoming EXP

Name	Value
Displayed name	Incoming EXP
OSS name	odukIncFtflExp
Type	STRING
Read-only	yes
Tab|Panel	General|ODU Overhead Attributes

(1 of 2)

Name	Value
Description	This is for Oduk Backward Incoming EXP.

(2 of 2)

Table 117-9 Incoming Forward FTFL Operator ID

Name	Value
Displayed name	Incoming Forward FTFL Operator ID
OSS name	oduFwrdFTFLOperId
Type	STRING
Read-only	yes
Tab|Panel	General|ODU Overhead Attributes
Description	This is for ODUk Forward FTFL Oper Id.

Table 117-10 Incoming Forward FTFL Type ID

Name	Value
Displayed name	Incoming Forward FTFL Type ID
OSS name	oduFwrdFTFLTypeId
Type	STRING
Read-only	yes
Tab|Panel	General|ODU Overhead Attributes
Description	This is for ODUk Forward FTFL Type Id.

Table 117-11 Incoming RES in Row2

Name	Value
Displayed name	Incoming RES in Row2
OSS name	oduIncomingResRow2
Type	STRING
Tab|Panel	General|ODUk Attributes
Description	This is for ODU2/ODU3 Incoming Res Row 2

Table 117-12 Incoming RES in Row4

Name	Value
Displayed name	Incoming RES in Row4
OSS name	oduIncomingResRow4
Type	STRING
Tab|Panel	General|ODUk Attributes
Description	This is for ODU2/ODU3 Incoming Res Row 4

Table 117-13 Incoming TTI

Name	Value
Displayed name	Incoming TTI
OSS name	incomingTti
Type	STRING
Tab|Panel	General|TTI Attributes
Description	ODU incoming TTI.

Table 117-14 Interworking Mode Enabled

Name	Value
Displayed name	Interworking Mode Enabled
OSS name	odukInterworkingMode
Type	BOOL
Tab|Panel	General|ODUk Attributes
Description	ODU Internworking mode.

Table 117-15 Layer Type

Name	Value
Displayed name	Layer Type
OSS name	layerType
Type	optical.LayerType
Tab|Panel	General|General
Description	The layer type - OCH, OTU, ODU, Electrical…
Enumerated types	

(1 of 2)

Name	Value
Client	
Ethernet	
High Order ODU	
Low Order ODU	
OCH	
ODU	
OTU	

(2 of 2)

Table 117-16 Mapping Mode

Name	Value
Displayed name	Mapping Mode
OSS name	oduMappingMode
Type	optical.MappingMode
Tab|Panel	General|ODUk Attributes
Description	ODU mapping mode.
Enumerated types	
cbrA	
cbrB	
lanPhyGfp	
prbs	
Async	
BitSync	

Table 117-17 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 117-18 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	optical.XcState
Default	Unknown
Read-only	yes
Tab|Panel	General|States
Description	Operational state of the interface.
Enumerated types	
Down	
Unknown	
Up	

Table 117-19 Payload Type

Name	Value
Displayed name	Payload Type
OSS name	txPayloadType
Type	INT
Minimum	0
Maximum	255
Tab|Panel	General|ODUk Attributes
Description	The ODUk payload type value provisioned on the transmitting direction. This is applicable only to an ODU adaptation function.

Table 117-20 Payload Type Mismatch Response

Name	Value
Displayed name	Payload Type Mismatch Response
OSS name	plmConsequenceAction
Type	BOOL
Default	false
Tab|Panel	General|ODUk Attributes
Description	Payload Type Mismatch (PLM) consequence action.

Table 117-21 Rate

Name	Value
Displayed name	Rate
OSS name	assignedRate
Type	optical.AssignedRate
Tab|Panel	General|General
Description	The assigned rate - OTU1, GigE, OC3…
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	

(1 of 2)

Name	Value
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(2 of 2)

Table 117-22 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 117-23 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 117-24 TP ID

Name	Value
Displayed name	TP ID
OSS name	ctpId
Type	INT
Minimum	1
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the Ctp.

Table 117-25 Transmitted TTI

Name	Value
Displayed name	Transmitted TTI

(1 of 2)

Name	Value
OSS name	txSapi
Type	STRING
Minimum	0
Maximum	64
Tab|Panel	General|TTI Attributes
Description	The SAPI bytes in the trace identifier transmitted. SAPI: Source Access Point Identifier. For 1830PSS nodes, valid range is [0..15] bytes. For other nodes, valid range is [0..64] bytes.

(2 of 2)

Table 117-26 TTI Comparison

Name	Value
Displayed name	TTI Comparison
OSS name	timDetMode
Type	optical.TimDetectionMode
Default	Disabled
Tab|Panel	General|TTI Attributes
Description	Indicates the mode of the Trace Identifier Mismatch (TIM) Detection function.
Enumerated types	
Disabled	
Enabled	
Unknown	

Table 117-27 TTI Mismatch Response Enabled

Name	Value
Displayed name	TTI Mismatch Response Enabled
OSS name	timActEnabled
Type	BOOL
Tab|Panel	General|TTI Attributes
Description	Indicates whether the Trace Identifier Mismatch (TIM) Consequent Action function is enabled.

Table 117-28 TTI Status

Name	Value
Displayed name	TTI Status
OSS name	ttiStatus
Type	optical.AluWdmTtiStatus
Tab|Panel	General|TTI Attributes
Description	TTI status.
Enumerated types	
Mismatch	
Normal	
Unavailable	
Unspecified	

118 —OduCtpSubStructure

Table 118-1 OduCtpSubStructure parameters

Parameters	
Assigned Rate	Name
Ctp ID	Site ID
Layer Type	Site Name

Table 118-2 Assigned Rate

Name	Value
Displayed name	Assigned Rate
OSS name	assignedRate
Type	optical.AssignedRate
Tab|Panel	General|General
Description	The assigned rate - OTU1, GigE, OC3…
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	

(1 of 3)

Name	Value
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	

(2 of 3)

Name	Value
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 118-3 Ctp ID

Name	Value
Displayed name	Ctp ID
OSS name	ctpId
Type	INT
Minimum	1
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the Ctp.

Table 118-4 Layer Type

Name	Value
Displayed name	Layer Type
OSS name	layerType
Type	optical.LayerType
Tab|Panel	General|General
Description	The layer type - OCH, OTU, ODU, Electrical…
Enumerated types	
Client	
Ethernet	
High Order ODU	
Low Order ODU	
OCH	
ODU	
OTU	

Table 118-5 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 118-6 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 118-7 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

119 —ODUk Cross Connect

Table 119-1 ODUk Cross Connect parameters

Parameters	
Bidirectional	Name
Cross Connect Id	Name
Destination	ODUk Protection Group
High Order ODUk	Protection State
High Order ODUk	Rate
High Order ODUk	Rate
High Order ODUk Name	Shelf
High Order ODUk Name	Shelf ID
ID	Site
Low Order ODUk	Site ID
Low Order ODUk	Site Name
Low Order ODUk Name	Source
Low Order ODUk Name	Termination on ODUPOOL

Table 119-2 Bidirectional

Name	Value
Displayed name	Bidirectional
OSS name	biDirectional
Type	BOOL
Default	true
Mandatory on creation	yes

(1 of 2)

Name	Value
Tab|Panel	General|General
Description	Indicates if this connection is a unidirectional or bidirectional connection.

(2 of 2)

Table 119-3 Cross Connect Id

Name	Value
Displayed name	Cross Connect Id
OSS name	xcId
Type	LONG
Minimum	1
Default	0
Mandatory on creation	yes
Tab|Panel	General|Cross Connect Information
Description	SAM generated XC id used for FDN.

Table 119-4 Destination

Name	Value
Displayed name	Destination
OSS name	endpointZName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Name of the endpoint Z, used for display.

Table 119-5 High Order ODUk

Name	Value
Displayed name	High Order ODUk
OSS name	sourceHoOdu
Type	POINTER
Tab|Panel	General|A-End
Description	Source High Order ODU

Table 119-6 High Order ODUk

Name	Value
Displayed name	High Order ODUk
OSS name	destinationHoOdu
Type	POINTER
Tab|Panel	General|Z-End
Description	Destination High Order ODU

Table 119-7 High Order ODUk

Name	Value
Displayed name	High Order ODUk
OSS name	hoOdukTerminationPoint
Type	POINTER
Read-only	yes
Tab|Panel	General|Z-End
Description	This represents the HO-ODU PTF in the pool for the ODUk Cross Connect.

Table 119-8 High Order ODUk Name

Name	Value
Displayed name	High Order ODUk Name
OSS name	srcHoOduName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|A-End

Table 119-9 High Order ODUk Name

Name	Value
Displayed name	High Order ODUk Name
OSS name	destHoOduName
Type	STRING
Maximum	252

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|Z-End

(2 of 2)

Table 119-10 ID

Name	Value
Displayed name	ID
OSS name	xcId
Type	LONG
Minimum	1
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	SAM generated XC id used for FDN.

Table 119-11 Low Order ODUk

Name	Value
Displayed name	Low Order ODUk
OSS name	sourceLoOdu
Type	POINTER
Tab|Panel	General|A-End
Description	Source Low Order ODU

Table 119-12 Low Order ODUk

Name	Value
Displayed name	Low Order ODUk
OSS name	destinationLoOdu
Type	POINTER
Tab|Panel	General|Z-End
Description	Destination Low Order ODU

Table 119-13 Low Order ODUk Name

Name	Value
Displayed name	Low Order ODUk Name
OSS name	srcLoOduName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|A-End

Table 119-14 Low Order ODUk Name

Name	Value
Displayed name	Low Order ODUk Name
OSS name	destLoOduName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Z-End

Table 119-15 Name

Name	Value
Displayed name	Name
OSS name	xcName
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|Cross Connect Information
Description	Can be deployed on NE for OCh crossconnect. For OCh XC the max length is 80, so we keep this for OT XCs too. This is the OCHTrail name for OCH XCs.

Table 119-16 Name

Name	Value
Displayed name	Name
OSS name	odukXcName

(1 of 2)

Name	Value
Type	STRING
Mandatory on creation	yes
Tab|Panel	General|General
Description	The description of the Oduk cross connect.

(2 of 2)

Table 119-17 ODUk Protection Group

Name	Value
Displayed name	ODUk Protection Group
OSS name	apsGroupPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|General
Description	This represents the APS Group, this cross connect is referring to.

Table 119-18 Protection State

Name	Value
Displayed name	Protection State
OSS name	protectionState
Type	oth.ProtectionState
Default	none
Read-only	yes
Mandatory on creation	yes
Tab|Panel	General|General
Description	The protection state of the connection.

Table 119-19 Rate

Name	Value
Displayed name	Rate
OSS name	odukXcRate
Type	oth.OdukXcRate
Mandatory on creation	yes
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	The Oduk cross connect Rate.

(2 of 2)

Table 119-20 Rate

Name	Value
Displayed name	Rate
OSS name	rate
Type	oth.OduRate
Mandatory on creation	yes
Tab|Panel	General|Cross Connect Information
Description	The ODUk rate state of the connection.
Enumerated types	
unspecified	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-CBR	
ODUFlex-GFP	
OPTSG	

Table 119-21 Shelf

Name	Value
Displayed name	Shelf
OSS name	shelfPointer
Type	POINTER
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	Reference to the Shelf.

(2 of 2)

Table 119-22 Shelf ID

Name	Value
Displayed name	Shelf ID
OSS name	shelfId
Type	INT
Default	0
Tab|Panel	General|General
Description	shelfid of the cross connect referring to cardslot opticalcardspecifics

Table 119-23 Site

Name	Value
Displayed name	Site
OSS name	sitePointer
Type	POINTER
Tab|Panel	General|General
Description	Reference to the Network Element.

Table 119-24 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|General
Description	Site id.

Table 119-25 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General
Description	Site name.

Table 119-26 Source

Name	Value
Displayed name	Source
OSS name	endpointAName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Name of the endpoint A, used for display.

Table 119-27 Termination on ODUPOOL

Name	Value
Displayed name	Termination on ODUPOOL
OSS name	oduPoolEndPoint
Type	oth.OduPoolEndPoint
Default	none
Mandatory on creation	yes
Tab|Panel	General|Cross Connect Information
Description	Specifies if the endpoint is to be the ODUPOOL.
Enumerated types	
A End	
Z End	
none	

120 —OdukNimSubStructure

Table 120-1 OdukNimSubStructure parameters

Parameters	
Administrative State	Name
AINS Countdown	ODU Rx PM Enabled
AINS State	ODU Tx PM Enabled
AINS Timer	Operational State
APS Enabled	Rate
Assigned Rate	Site ID
Clear All Bins	Site ID
Ctp ID	Site Name
Incoming Backward FTFL Operator ID	Site Name
Incoming Backward FTFL Type ID	State Qualifier
Incoming EXP	Terminates ODU Path
Incoming Forward FTFL Operator ID	Timeslot(s)
Incoming Forward FTFL Type ID	Use System AINS Timer
Layer Type	

Table 120-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	optical.XcState
Default	Unknown

(1 of 2)

Name	Value
Tab|Panel	States|General
Description	Administrative state of the interface. It may be used to suppress the alarms or disable consequent actions on the entity.
Enumerated types	
Down	
Unknown	
Up	

(2 of 2)

Table 120-3 AINS Countdown

Name	Value
Displayed name	AINS Countdown
OSS name	ainsDebounceTimeRemaining
Type	STRING
Units	HH:MM
Read-only	yes
Tab|Panel	States|AINS

Table 120-4 AINS State

Name	Value
Displayed name	AINS State
OSS name	ainsState
Type	BOOL
Default	false
Tab|Panel	States|AINS
Description	AINS state of the interface.

Table 120-5 AINS Timer

Name	Value
Displayed name	AINS Timer
OSS name	ainsDebounceTime
Type	STRING
Units	HH:MM

(1 of 2)

Name	Value
Tab|Panel	States|AINS

(2 of 2)

Table 120-6 APS Enabled

Name	Value
Displayed name	APS Enabled
OSS name	apsEnabled
Type	optical.APSConfigType
Tab|Panel	General|General
Description	Enable or disable the proprietary APS bytes insertion in the ODU2 overhead.
Enumerated types	
Proprietary	
Standard	

Table 120-7 Assigned Rate

Name	Value
Displayed name	Assigned Rate
OSS name	assignedRate
Type	optical.AssignedRate
Tab|Panel	General|General
Description	The assigned rate - OTU1, GigE, OC3…
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	

(1 of 3)

Name	Value
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	

(2 of 3)

Name	Value
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 120-8 Clear All Bins

Name	Value
Displayed name	Clear All Bins
OSS name	clearAllBins
Type	optical.PerformCommand
Default	No Cmd
Tab|Panel	General|Stats Control
Description	Clear all ODURx and ODUTx PMs in both current 15 minute bin and the current 1 day interval.
Enumerated types	
Execute	
Execute with Force	
No Cmd	

Table 120-9 Ctp ID

Name	Value
Displayed name	Ctp ID
OSS name	ctpId

(1 of 2)

Name	Value
Type	INT
Minimum	1
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the Ctp.

(2 of 2)

Table 120-10 Incoming Backward FTFL Operator ID

Name	Value
Displayed name	Incoming Backward FTFL Operator ID
OSS name	oduBkwrdFTFLOperId
Type	STRING
Read-only	yes
Tab|Panel	General|ODU Overhead Attributes
Description	This is for ODUk Backward FTFL Oper Id.

Table 120-11 Incoming Backward FTFL Type ID

Name	Value
Displayed name	Incoming Backward FTFL Type ID
OSS name	oduBkwrdFTFLTypeId
Type	STRING
Read-only	yes
Tab|Panel	General|ODU Overhead Attributes
Description	This is for ODUk Backward FTFL Type Id.

Table 120-12 Incoming EXP

Name	Value
Displayed name	Incoming EXP
OSS name	odukIncFtflExp
Type	STRING
Read-only	yes
Tab|Panel	General|ODU Overhead Attributes

(1 of 2)

Name	Value
Description	This is for Oduk Backward Incoming EXP.

(2 of 2)

Table 120-13 Incoming Forward FTFL Operator ID

Name	Value
Displayed name	Incoming Forward FTFL Operator ID
OSS name	oduFwrdFTFLOperId
Type	STRING
Read-only	yes
Tab|Panel	General|ODU Overhead Attributes
Description	This is for ODUk Forward FTFL Oper Id.

Table 120-14 Incoming Forward FTFL Type ID

Name	Value
Displayed name	Incoming Forward FTFL Type ID
OSS name	oduFwrdFTFLTypeId
Type	STRING
Read-only	yes
Tab|Panel	General|ODU Overhead Attributes
Description	This is for ODUk Forward FTFL Type Id.

Table 120-15 Layer Type

Name	Value
Displayed name	Layer Type
OSS name	layerType
Type	optical.LayerType
Tab|Panel	General|General
Description	The layer type - OCH, OTU, ODU, Electrical…
Enumerated types	
Client	
Ethernet	
High Order ODU	
Low Order ODU	

(1 of 2)

Name	Value
OCH	
ODU	
OTU	

(2 of 2)

Table 120-16 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 120-17 ODU Rx PM Enabled

Name	Value
Displayed name	ODU Rx PM Enabled
OSS name	statsRxEnable
Type	BOOL
Tab|Panel	General|Stats Control
Description	Enable and disable the ODURx PM.

Table 120-18 ODU Tx PM Enabled

Name	Value
Displayed name	ODU Tx PM Enabled
OSS name	statsTxEnable
Type	BOOL
Tab|Panel	General|Stats Control
Description	Enable and disable the ODUTx PM.

Table 120-19 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	optical.XcState
Default	Unknown
Read-only	yes
Tab|Panel	States|General
Description	Operational state of the interface.
Enumerated types	
Down	
Unknown	
Up	

Table 120-20 Rate

Name	Value
Displayed name	Rate
OSS name	rate
Type	oth.OduRate
Default	unspecified
Read-only	yes
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
unspecified	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	

(1 of 2)

Name	Value
ODUFlex-CBR	
ODUFlex-GFP	
OPTSG	

(2 of 2)

Table 120-21 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 120-22 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	If site is the network element, siteId is the neId.

Table 120-23 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 120-24 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	If site is the network element, siteName is its name.

Table 120-25 State Qualifier

Name	Value
Displayed name	State Qualifier
OSS name	stateQualifier
Type	optical.StateQualifier
Read-only	yes
Tab|Panel	States|General
Enumerated types	
AINS	
FAF	
FLT	
LOCKED	
MEA	
MT	
PORT RX FAULT	
PORT TX FAULT	
SDEE	
SGEO	
UAS	
UEQ	

Table 120-26 Terminates ODU Path

Name	Value
Displayed name	Terminates ODU Path
OSS name	isTerminating

(1 of 2)

Name	Value
Type	BOOL
Read-only	yes
Tab|Panel	General|General
Description	True if this instance is a TTP (trail termination point), i.e., the endpoint of an ODUk path: is an OduPtf False if this instance is a CTP with non-intrusive monitoring capability: is an OduNim

(2 of 2)

Table 120-27 Timeslot(s)

Name	Value
Displayed name	Timeslot(s)
OSS name	timeSlots
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 120-28 Use System AINS Timer

Name	Value
Displayed name	Use System AINS Timer
OSS name	usingSysAinsDebounceTime
Type	BOOL
Tab|Panel	States|AINS

121 —ODUk Protection Group

Table 121-1 ODUk Protection Group parameters

Parameters	
Active Conditions	Protection Port
APS Protection Mode	Protection Switch
Client	Protection Type
Client Name	Remote
Client ODUk Facility	Remote
Client on ODUPOOL	Request For
Connection Direction	Shelf
Description	Shelf ID
Description	Site
Facility	Site ID
Facility	Site Name
Holdoff Time	Switch Direction
Local	Switch Status
Local	Type
Port	Wait to Restore
Protection Facility Name	Working Facility Name
Protection Method	Working Port

Table 121-2 Active Conditions

Name	Value
Displayed name	Active Conditions
OSS name	currentStatus

(1 of 2)

Alcatel-Lucent 5620 Service Aware Manager   *121-1*
5620 SAM
Optical Parameter Reference

Name	Value
Type	oth.ApsCurrentStatusBits
Tab|Panel	APS Group|Protection Management
Description	The status of the APS group. Corresponds tnApsGroupCurrentStatus in the MIB.
Enumerated types	
Channel Mismatch	
Extra Traffic	
Far-End Protection-Line Failure	
Mode Mismatch	
Protection Switch Byte Failure	

(2 of 2)

Table 121-3 APS Protection Mode

Name	Value
Displayed name	APS Protection Mode
OSS name	protectionMode
Type	oth.ApsMode
Default	onePlusOne
Tab|Panel	APS Group|General
Description	Indicates the type of APS protection.
Enumerated types	
SNCI	
SNCN	
SNCNC	

Table 121-4 Client

Name	Value
Displayed name	Client
OSS name	actualClientFacilityPointer
Type	POINTER
Tab|Panel	APS Group|General
Description	ODUk (TO) entity within the SNCP. The value should correspond to the pointer to the client facility. If the client is a HO-Virtual object this attribute carries the actual pointer to the client facility.

Table 121-5 Client Name

Name	Value
Displayed name	Client Name
OSS name	clientFacilityName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	APS Group|General

Table 121-6 Client ODUk Facility

Name	Value
Displayed name	Client ODUk Facility
OSS name	clientFacilityPointer
Type	POINTER
Tab|Panel	APS Group|General
Description	ODUk (TO) entity within the SNCP. If the client is the ODUPOOL the value should be empty, otherwise it should be the pointer to the client facility.

Table 121-7 Client on ODUPOOL

Name	Value
Displayed name	Client on ODUPOOL
OSS name	oduPoolClient
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	APS Group|General

Table 121-8 Connection Direction

Name	Value
Displayed name	Connection Direction
OSS name	xcDirection
Type	oth.ApsXcDirection
Default	notapplicable

(1 of 2)

Name	Value
Tab|Panel	APS Group|APS Configuration
Description	It indicates the connection direction of the APS group.

(2 of 2)

Table 121-9 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	50
Tab|Panel	APS Group|APS Configuration
Description	The description of the APS group.

Table 121-10 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	50
Tab|Panel	APS Group|General
Description	The description of the APS group.

Table 121-11 Facility

Name	Value
Displayed name	Facility
OSS name	protectionFacilityPointer
Type	POINTER
Tab|Panel	APS Group|Protection
Description	ODUk (FROMED) entity within the SNCP.

Table 121-12 Facility

Name	Value
Displayed name	Facility
OSS name	workingFacilityPointer
Type	POINTER
Tab|Panel	APS Group|Working
Description	ODUk (FROMING) entity within the SNCP.

Table 121-13 Holdoff Time

Name	Value
Displayed name	Holdoff Time
OSS name	holdOffTimer
Type	INT
Minimum	0
Maximum	10000
Default	0
Units	milliseconds
Tab|Panel	APS Group|APS Configuration
Description	Hold off Time in milliseconds for automatic switching. Current configurable range:0 to 100000.

Table 121-14 Local

Name	Value
Displayed name	Local
OSS name	protectionPortLocalStatus
Type	oth.ApsMemberStatus
Tab|Panel	APS Group|Protection Port Status
Description	Corresponds to the local status mapped from tnOthOdukApsMemberCurrentStatus for the protection port.
Enumerated types	
Active	
Standby	
Unknown	

Table 121-15 Local

Name	Value
Displayed name	Local
OSS name	workingPortLocalStatus
Type	oth.ApsMemberStatus
Tab|Panel	APS Group|Working Port Status
Description	Corresponds to the local status mapped from tnOthOdukApsMemberCurrentStatus for the working port.
Enumerated types	
Active	
Standby	
Unknown	

Table 121-16 Port

Name	Value
Displayed name	Port
OSS name	clientPort
Type	POINTER
Mandatory on creation	yes
Tab|Panel	APS Group|General
Description	Client port FDN of the APS group.

Table 121-17 Protection Facility Name

Name	Value
Displayed name	Protection Facility Name
OSS name	protectionFacilityName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	APS Group|Protection

Table 121-18 Protection Method

Name	Value
Displayed name	Protection Method
OSS name	apsGroupMethod
Type	oth.ApsGroupMethod
Default	notapplicable
Tab|Panel	APS Group|APS Configuration
Description	The protection method of the working leg. Default is pnim for sncn and sncnc, and padapt for snci.

Table 121-19 Protection Port

Name	Value
Displayed name	Protection Port
OSS name	protectionPort
Type	POINTER
Mandatory on creation	yes
Tab|Panel	APS Group|Protection
Description	Protection port FDN of the APS group.

Table 121-20 Protection Switch

Name	Value
Displayed name	Protection Switch
OSS name	protectionSwitch
Type	oth.ApsMemberSwitch
Default	No Cmd
Tab|Panel	APS Group|Protection Management
Description	This value is used to perform a protection switch on the working/protection APS Member
Enumerated types	
Clear	
Forced Switch To Working	
Forced Switch To Protection	
Protection Lockout	
Manual Switch To Working	
Manual Switch To Protection	

(1 of 2)

Name	Value
No Cmd	

(2 of 2)

Table 121-21 Protection Type

Name	Value
Displayed name	Protection Type
OSS name	apsMode
Type	oth.ApsMode
Default	SNCN
Mandatory on creation	yes
Tab|Panel	APS Group|APS Configuration
Description	The protection type of the APS group. sncn - subnetwork connection with non-intrusive monitoring. sncnc - subnetwork connection based on ODUk client signal with non-intrusive monitoring. snci - subnetwork connection with inherent monitoring. {/UL}
Enumerated types	
SNCI	
SNCN	
SNCNC	

Table 121-22 Remote

Name	Value
Displayed name	Remote
OSS name	workingPortRemoteStatus
Type	oth.ApsMemberStatus
Tab|Panel	APS Group|Working Port Status
Description	Corresponds to the remote status mapped from tnOthOdukApsMemberCurrentStatus for the working port.
Enumerated types	
Active	
Standby	
Unknown	

Table 121-23 Remote

Name	Value
Displayed name	Remote
OSS name	protectionPortRemoteStatus
Type	oth.ApsMemberStatus
Tab|Panel	APS Group|Protection Port Status
Description	Corresponds to the remote status mapped from tnOthOdukApsMemberCurrentStatus for the protection port.
Enumerated types	
Active	
Standby	
Unknown	

Table 121-24 Request For

Name	Value
Displayed name	Request For
OSS name	requestFor
Type	oth.RequestFor
Tab|Panel	APS Group|Protection Management
Description	This Value is deduced from k1k2Trans.
Enumerated types	
Protection	
Working	

Table 121-25 Shelf

Name	Value
Displayed name	Shelf
OSS name	shelfPointer
Type	POINTER
Tab|Panel	APS Group|General
Description	Reference to Shelf within the Network Element.

Table 121-26 Shelf ID

Name	Value
Displayed name	Shelf ID
OSS name	shelfId
Type	INT
Default	0
Read-only	yes
Tab|Panel	APS Group|General
Description	Shelf Identifier.

Table 121-27 Site

Name	Value
Displayed name	Site
OSS name	sitePointer
Type	POINTER
Tab|Panel	APS Group|General
Description	Reference to Network Element.

Table 121-28 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Tab|Panel	APS Group|General
Description	The id of the site that the APS group belongs to.

Table 121-29 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Tab|Panel	APS Group|General

(1 of 2)

Name	Value
Description	The name of the site that the APS group belongs to.

(2 of 2)

Table 121-30 Switch Direction

Name	Value
Displayed name	Switch Direction
OSS name	direction
Type	oth.ApsDirection
Default	unidirectional
Tab|Panel	APS Group|APS Configuration
Description	The protection direction of the APS Group.

Table 121-31 Switch Status

Name	Value
Displayed name	Switch Status
OSS name	switchStatus
Type	oth.SwitchStatus
Tab|Panel	APS Group|Protection Management
Description	This Value is deduced from k1k2Trans.
Enumerated types	
Do Not Revert	
Forced Switch	
Manual Switch	
No Request	
Protection Lockout	
Reverse Request	
Signal Degrade	
Signal failure	
Unknown	
Wait To Restore	

Table 121-32 Type

Name	Value
Displayed name	Type
OSS name	revertMode
Type	oth.ApsRevertMode
Default	NonRevertive
Tab|Panel	APS Group|APS Configuration
Description	Indicates whether revertive or non-revertive APS Group.
Enumerated types	
NonRevertive	
Revertive	

Table 121-33 Wait to Restore

Name	Value
Displayed name	Wait to Restore
OSS name	waitToRestore
Type	oth.ApsWaitToRestore
Default	notapplicable
Units	min
Tab|Panel	APS Group|APS Configuration
Description	The wait-to-restore time for the revertive mode automatic switching. Corresponds to tnApsGroupWaitToRestore in the MIB.

Table 121-34 Working Facility Name

Name	Value
Displayed name	Working Facility Name
OSS name	workingFacilityName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	APS Group|Working

Table 121-35 Working Port

Name	Value
Displayed name	Working Port
OSS name	workingPort
Type	POINTER
Mandatory on creation	yes
Tab|Panel	APS Group|Working
Description	Working port FDN of the APS group.

122 —ODU NIM

Table 122-1 ODU NIM parameters

Parameters	
Administrative State	Operational Capability
AINS Countdown	Operational State
AINS State	Rate
AINS Timer	Site ID
Assigned Rate	Site ID
Clear All Bins	Site Name
Ctp ID	Site Name
Layer Type	State Qualifier
Name	Terminates ODU Path
ODU Rx PM Enabled	Use System AINS Timer
ODU Tx PM Enabled	

Table 122-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	optical.XcState
Default	Unknown
Tab|Panel	States|General
Description	Administrative state of the interface. It may be used to suppress the alarms or disable consequent actions on the entity.

(1 of 2)

Name	Value
Enumerated types	
Down	
Unknown	
Up	

(2 of 2)

Table 122-3 AINS Countdown

Name	Value
Displayed name	AINS Countdown
OSS name	ainsDebounceTimeRemaining
Type	STRING
Units	HH:MM
Read-only	yes
Tab|Panel	States|AINS

Table 122-4 AINS State

Name	Value
Displayed name	AINS State
OSS name	ainsState
Type	BOOL
Default	false
Tab|Panel	States|AINS
Description	AINS state of the interface.

Table 122-5 AINS Timer

Name	Value
Displayed name	AINS Timer
OSS name	ainsDebounceTime
Type	STRING
Units	HH:MM
Tab|Panel	States|AINS

Table 122-6 Assigned Rate

Name	Value
Displayed name	Assigned Rate
OSS name	assignedRate
Type	optical.AssignedRate
Tab|Panel	General|General
Description	The assigned rate - OTU1, GigE, OC3…
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	

(1 of 2)

Name	Value
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(2 of 2)

Table 122-7 Clear All Bins

Name	Value
Displayed name	Clear All Bins
OSS name	clearAllBins
Type	optical.PerformCommand
Default	No Cmd
Tab|Panel	General|Stats Control
Description	Clear all ODURx and ODUTx PMs in both current 15 minute bin and the current 1 day interval.
Enumerated types	
Execute	
Execute with Force	
No Cmd	

Table 122-8 Ctp ID

Name	Value
Displayed name	Ctp ID
OSS name	ctpId
Type	INT
Minimum	1
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the Ctp.

Table 122-9 Layer Type

Name	Value
Displayed name	Layer Type
OSS name	layerType
Type	optical.LayerType
Tab|Panel	General|General
Description	The layer type - OCH, OTU, ODU, Electrical…
Enumerated types	
Client	

(1 of 2)

Name	Value
Ethernet	
High Order ODU	
Low Order ODU	
OCH	
ODU	
OTU	

(2 of 2)

Table 122-10 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 122-11 ODU Rx PM Enabled

Name	Value
Displayed name	ODU Rx PM Enabled
OSS name	statsRxEnable
Type	BOOL
Tab|Panel	General|Stats Control
Description	Enable and disable the ODURx PM.

Table 122-12 ODU Tx PM Enabled

Name	Value
Displayed name	ODU Tx PM Enabled
OSS name	statsTxEnable
Type	BOOL
Tab|Panel	General|Stats Control
Description	Enable and disable the ODUTx PM.

Table 122-13 Operational Capability

Name	Value
Displayed name	Operational Capability
OSS name	operationalCapability
Type	optical.OperationalCapability
Default	Disabled
Read-only	yes
Tab|Panel	States|General
Enumerated types	
Disabled	
Enabled	
Partially Enabled	

Table 122-14 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	optical.XcState
Default	Unknown
Read-only	yes
Tab|Panel	States|General
Description	Operational state of the interface.
Enumerated types	
Down	
Unknown	
Up	

Table 122-15 Rate

Name	Value
Displayed name	Rate
OSS name	rate
Type	oth.OduRate
Default	unspecified
Read-only	yes

(1 of 2)

Name	Value
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
unspecified	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-CBR	
ODUFlex-GFP	
OPTSG	

(2 of 2)

Table 122-16 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 122-17 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|General
Description	If site is the network element, siteId is the neId.

(2 of 2)

Table 122-18 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 122-19 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	If site is the network element, siteName is its name.

Table 122-20 State Qualifier

Name	Value
Displayed name	State Qualifier
OSS name	stateQualifier
Type	optical.StateQualifier
Read-only	yes
Tab|Panel	States|General
Enumerated types	
AINS	
FAF	

(1 of 2)

Name	Value
FLT	
LOCKED	
MEA	
MT	
PORT RX FAULT	
PORT TX FAULT	
SDEE	
SGEO	
UAS	
UEQ	

(2 of 2)

Table 122-21 Terminates ODU Path

Name	Value
Displayed name	Terminates ODU Path
OSS name	isTerminating
Type	BOOL
Read-only	yes
Tab|Panel	General|General
Description	True if this instance is a TTP (trail termination point), i.e., the endpoint of an ODUk path: is an OduPtf False if this instance is a CTP with non-intrusive monitoring capability: is an OduNim

Table 122-22 Use System AINS Timer

Name	Value
Displayed name	Use System AINS Timer
OSS name	usingSysAinsDebounceTime
Type	BOOL
Tab|Panel	States|AINS

123 —ODU NIM Point

Table 123-1 ODU NIM Point parameters

Parameters	
Directionality	Site ID
Expected TTI	Site Name
Incoming TTI	TTI Comparison
Name	TTI Status
Path Overhead Monitoring	

Table 123-2 Directionality

Name	Value
Displayed name	Directionality
OSS name	directionality
Type	optical.OdukNimIndexType
Mandatory on creation	yes
Tab|Panel	General|General

Table 123-3 Expected TTI

Name	Value
Displayed name	Expected TTI

(1 of 2)

Name	Value
OSS name	expectedSapi
Type	STRING
Minimum	0
Maximum	16
Tab|Panel	General|Path Overhead Monitoring TTI
Description	The SAPI expected by the receiver. This object has no effect when timDetMode has the value off(1). SAPI: Source Access Point Identifier.

(2 of 2)

Table 123-4 Incoming TTI

Name	Value
Displayed name	Incoming TTI
OSS name	rxSapi
Type	STRING
Read-only	yes
Tab|Panel	General|Path Overhead Monitoring TTI
Description	The fist 16 octets (TTI[0]-TTI[15]) of acceptedTti.

Table 123-5 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 123-6 Path Overhead Monitoring

Name	Value
Displayed name	Path Overhead Monitoring
OSS name	pomEnabled
Type	BOOL
Tab|Panel	General|Path Overhead Monitoring TTI

(1 of 2)

Name	Value
Description	True actives non-intrusive monitoring.

(2 of 2)

Table 123-7 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	If site is the network element, siteId is the neId.

Table 123-8 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	If site is the network element, siteName is its name.

Table 123-9 TTI Comparison

Name	Value
Displayed name	TTI Comparison
OSS name	timDetMode
Type	optical.TimDetectionMode
Default	Disabled
Tab|Panel	General|Path Overhead Monitoring TTI
Description	Indicates the mode of the Trace Identifier Mismatch (TIM) Detection function.
Enumerated types	
Disabled	
Enabled	
Unknown	

Table 123-10 TTI Status

Name	Value
Displayed name	TTI Status
OSS name	ttiStatus
Type	optical.AluWdmTtiStatus
Read-only	yes
Tab|Panel	General|Path Overhead Monitoring TTI
Description	TTI status.
Enumerated types	
Mismatch	
Normal	
Unavailable	
Unspecified	

124 —ODU Path Termination

Table 124-1 ODU Path Termination parameters

Parameters	
Administrative State	Operational Capability
AINS Countdown	Operational State
AINS State	Payload Type
AINS Timer	Payload Type Mismatch Response
APS Enabled	Rate
Assigned Rate	Received Payload Structure
Clear All Bins	Site ID
Ctp ID	Site ID
Expected TTI	Site Name
Incoming Backward FTFL Operator ID	Site Name
Incoming Backward FTFL Type ID	State Qualifier
Incoming EXP	Terminates ODU Path
Incoming Forward FTFL Operator ID	Transmitted Payload Structure
Incoming Forward FTFL Type ID	Transmitted TTI
Incoming TTI	TTI Comparison
Layer Type	TTI Mismatch Response
Name	TTI Status
ODU Rx PM Enabled	Use System AINS Timer

Table 124-2 Administrative State

Name	Value
Displayed name	Administrative State

(1 of 2)

Name	Value
OSS name	administrativeState
Type	optical.XcState
Default	Unknown
Tab|Panel	States|General
Description	Administrative state of the interface. It may be used to suppress the alarms or disable consequent actions on the entity.
Enumerated types	
Down	
Unknown	
Up	

(2 of 2)

Table 124-3 AINS Countdown

Name	Value
Displayed name	AINS Countdown
OSS name	ainsDebounceTimeRemaining
Type	STRING
Units	HH:MM
Read-only	yes
Tab|Panel	States|AINS

Table 124-4 AINS State

Name	Value
Displayed name	AINS State
OSS name	ainsState
Type	BOOL
Default	false
Tab|Panel	States|AINS
Description	AINS state of the interface.

Table 124-5 AINS Timer

Name	Value
Displayed name	AINS Timer

(1 of 2)

Name	Value
OSS name	ainsDebounceTime
Type	STRING
Units	HH:MM
Tab|Panel	States|AINS

(2 of 2)

Table 124-6 APS Enabled

Name	Value
Displayed name	APS Enabled
OSS name	apsEnabled
Type	optical.APSConfigType
Tab|Panel	General|General
Description	Enable or disable the proprietary APS bytes insertion in the ODU2 overhead.
Enumerated types	
Proprietary	
Standard	

Table 124-7 Assigned Rate

Name	Value
Displayed name	Assigned Rate
OSS name	assignedRate
Type	optical.AssignedRate
Tab|Panel	General|General
Description	The assigned rate - OTU1, GigE, OC3…
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	
Default	
DVBASI	

(1 of 3)

Name	Value
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	
OS	
OTS	

(2 of 3)

Name	Value
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 124-8 Clear All Bins

Name	Value
Displayed name	Clear All Bins
OSS name	clearAllBins
Type	optical.PerformCommand
Default	No Cmd
Tab|Panel	General|Stats Control
Description	Clear all ODURx and ODUTx PMs in both current 15 minute bin and the current 1 day interval.
Enumerated types	
Execute	
Execute with Force	
No Cmd	

Table 124-9 Ctp ID

Name	Value
Displayed name	Ctp ID
OSS name	ctpId
Type	INT
Minimum	1
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the Ctp.

Table 124-10 Expected TTI

Name	Value
Displayed name	Expected TTI
OSS name	expectedSapi
Type	STRING
Minimum	0
Maximum	16
Tab|Panel	General|TTI
Description	The SAPI expected by the receiver. This object has no effect when timDetMode has the value off(1). SAPI: Source Access Point Identifier.

Table 124-11 Incoming Backward FTFL Operator ID

Name	Value
Displayed name	Incoming Backward FTFL Operator ID
OSS name	oduBkwrdFTFLOperId
Type	STRING
Read-only	yes
Tab|Panel	General|ODU Overhead Attributes
Description	This is for ODUk Backward FTFL Oper Id.

Table 124-12 Incoming Backward FTFL Type ID

Name	Value
Displayed name	Incoming Backward FTFL Type ID
OSS name	oduBkwrdFTFLTypeId
Type	STRING
Read-only	yes
Tab|Panel	General|ODU Overhead Attributes
Description	This is for ODUk Backward FTFL Type Id.

Table 124-13 Incoming EXP

Name	Value
Displayed name	Incoming EXP
OSS name	odukIncFtflExp
Type	STRING
Read-only	yes
Tab|Panel	General|ODU Overhead Attributes
Description	This is for Oduk Backward Incoming EXP.

Table 124-14 Incoming Forward FTFL Operator ID

Name	Value
Displayed name	Incoming Forward FTFL Operator ID
OSS name	oduFwrdFTFLOperId
Type	STRING
Read-only	yes
Tab|Panel	General|ODU Overhead Attributes
Description	This is for ODUk Forward FTFL Oper Id.

Table 124-15 Incoming Forward FTFL Type ID

Name	Value
Displayed name	Incoming Forward FTFL Type ID
OSS name	oduFwrdFTFLTypeId
Type	STRING

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|ODU Overhead Attributes
Description	This is for ODUk Forward FTFL Type Id.

(2 of 2)

Table 124-16 Incoming TTI

Name	Value
Displayed name	Incoming TTI
OSS name	rxSapi
Type	STRING
Read-only	yes
Tab|Panel	General|TTI
Description	The fist 16 octets (TTI[0]-TTI[15]) of acceptedTti.

Table 124-17 Layer Type

Name	Value
Displayed name	Layer Type
OSS name	layerType
Type	optical.LayerType
Tab|Panel	General|General
Description	The layer type - OCH, OTU, ODU, Electrical…
Enumerated types	
Client	
Ethernet	
High Order ODU	
Low Order ODU	
OCH	
ODU	
OTU	

Table 124-18 Name

Name	Value
Displayed name	Name

(1 of 2)

Name	Value
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	252
Read-only	yes
Tab|Panel	General|General

(2 of 2)

Table 124-19 ODU Rx PM Enabled

Name	Value
Displayed name	ODU Rx PM Enabled
OSS name	statsRxEnable
Type	BOOL
Tab|Panel	General|Stats Control
Description	Enable and disable the ODURx PM.

Table 124-20 Operational Capability

Name	Value
Displayed name	Operational Capability
OSS name	operationalCapability
Type	optical.OperationalCapability
Default	Disabled
Read-only	yes
Tab|Panel	States|General
Enumerated types	
Disabled	
Enabled	
Partially Enabled	

Table 124-21 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState

(1 of 2)

Name	Value
Type	optical.XcState
Default	Unknown
Read-only	yes
Tab|Panel	States|General
Description	Operational state of the interface.
Enumerated types	
Down	
Unknown	
Up	

(2 of 2)

Table 124-22 Payload Type

Name	Value
Displayed name	Payload Type
OSS name	txPayloadType
Type	INT
Minimum	0
Maximum	255
Tab|Panel	General|ODU Payload
Description	The ODUk payload type value provisioned on the transmitting direction. This is applicable only to an ODU adaptation function.

Table 124-23 Payload Type Mismatch Response

Name	Value
Displayed name	Payload Type Mismatch Response
OSS name	plmConsequenceAction
Type	BOOL
Tab|Panel	General|ODU Payload
Description	Payload Type Mismatch (PLM) consequence action.

Table 124-24 Rate

Name	Value
Displayed name	Rate

(1 of 2)

Name	Value
OSS name	rate
Type	oth.OduRate
Default	unspecified
Read-only	yes
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
unspecified	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-CBR	
ODUFlex-GFP	
OPTSG	

(2 of 2)

Table 124-25 Received Payload Structure

Name	Value
Displayed name	Received Payload Structure
OSS name	rxOduStruct
Type	STRING
Read-only	yes
Tab|Panel	General|ODU Payload Structure
Description	The received ODU payload structure value. It is retrieved from the received ODU MSI bytes.

Table 124-26 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 124-27 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	If site is the network element, siteId is the neId.

Table 124-28 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 124-29 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|General
Description	If site is the network element, siteName is its name.

(2 of 2)

Table 124-30 State Qualifier

Name	Value
Displayed name	State Qualifier
OSS name	stateQualifier
Type	optical.StateQualifier
Read-only	yes
Tab|Panel	States|General
Enumerated types	
AINS	
FAF	
FLT	
LOCKED	
MEA	
MT	
PORT RX FAULT	
PORT TX FAULT	
SDEE	
SGEO	
UAS	
UEQ	

Table 124-31 Terminates ODU Path

Name	Value
Displayed name	Terminates ODU Path
OSS name	isTerminating
Type	BOOL
Read-only	yes
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	True if this instance is a TTP (trail termination point), i.e., the endpoint of an ODUk path: is an OduPtf False if this instance is a CTP with non-intrusive monitoring capability: is an OduNim

(2 of 2)

Table 124-32 Transmitted Payload Structure

Name	Value
Displayed name	Transmitted Payload Structure
OSS name	txOduStruct
Type	STRING
Read-only	yes
Tab|Panel	General|ODU Payload Structure
Description	The transmitted ODU payload structure value. It is programmed into the transmitted ODU MSI bytes.

Table 124-33 Transmitted TTI

Name	Value
Displayed name	Transmitted TTI
OSS name	txSapi
Type	STRING
Minimum	0
Maximum	16
Tab|Panel	General|TTI
Description	The SAPI bytes in the trace identifier transmitted. TXSAPI is the fist 16 Octets (TTI[0]-TTI[15]) and TTI[0] (i.e., SAPI[0]) shall be fixed to all 0s.

Table 124-34 TTI Comparison

Name	Value
Displayed name	TTI Comparison
OSS name	timDetMode
Type	optical.TimDetectionMode
Tab|Panel	General|TTI
Description	Indicates the mode of the Trace Identifier Mismatch (TIM) Detection function.
Enumerated types	

(1 of 2)

Name	Value
Disabled	
Enabled	
Unknown	

(2 of 2)

Table 124-35 TTI Mismatch Response

Name	Value
Displayed name	TTI Mismatch Response
OSS name	timActEnabled
Type	BOOL
Tab|Panel	General|TTI
Description	Indicates whether the Trace Identifier Mismatch (TIM) Consequent Action function is enabled.

Table 124-36 TTI Status

Name	Value
Displayed name	TTI Status
OSS name	ttiStatus
Type	optical.AluWdmTtiStatus
Read-only	yes
Tab|Panel	General|TTI
Description	TTI status.
Enumerated types	
Mismatch	
Normal	
Unavailable	
Unspecified	

Table 124-37 Use System AINS Timer

Name	Value
Displayed name	Use System AINS Timer
OSS name	usingSysAinsDebounceTime
Type	BOOL

(1 of 2)

Name	Value
Tab|Panel	States|AINS

(2 of 2)

125 —OduRxTCAProfileAssigner

Table 125-1 OduRxTCAProfileAssigner parameters

Parameters	
Clear Bins Interval Number of Bins	Profile Type TCA Profile

Table 125-2 Clear Bins

Name	Value
Displayed name	Clear Bins
OSS name	clearBins
Type	optical.PerformCommand
Default	1
Tab|Panel	General|General
Description	This attribute is used to clear all the bins in an interval on a particular card and group.
Enumerated types	
Execute	
Execute with Force	
No Cmd	

Table 125-3 Interval

Name	Value
Displayed name	Interval
OSS name	interval
Type	optical.IntervalType
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The collection interval.
Enumerated types	
15 min Interval	
24 hour Interval	

Table 125-4 Number of Bins

Name	Value
Displayed name	Number of Bins
OSS name	noOfBins
Type	INT
Minimum	1
Maximum	33
Default	1
Tab|Panel	General|General
Description	The number of collection bins in the interval.

Table 125-5 Profile Type

Name	Value
Displayed name	Profile Type
OSS name	groupId
Type	netca.TCAProfileType
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The group identifier.
Enumerated types	

(1 of 2)

Name	Value
Card	
CD	
DGD	
Digital Wrapper	
E1	
Ethernet	
FOFF	
Interface	
ODURX	
ODUTX	
OPIN	
OPOUT	
OPR	
OPT	
OPOCHIN	
OPOCHOUT	
OSNR	
OTU	
Physical Code Sublayer	
Port	
PreFEC Bits	
SAP	
SDH	
SONET	
Two Way DM	
Two Way SLM	

(2 of 2)

Table 125-6 TCA Profile

Name	Value
Displayed name	TCA Profile
OSS name	tcaProfilePointer
Type	POINTER
Tab|Panel	General|Select Profile
Description	TCA Profile.

126 —ODU Trail

Table 126-1 ODU Trail parameters

Parameters	
Additional Information	Payload Type
Administrative State	Payload Type Mismatch Response
A to Z	Protection Level
A-Z Expected TTI	Protection Type
A-Z Transmitted TTI	Rate
Bidirectional	Trail ID
Connection Type	Trail Name
Customer	TTI Comparison
Force Create OCh XC	TTI Mismatch Response
Inconsistency	Wave Key Assign Mode
Inconsistent	Z-A Expected TTI
Operational State	Z-A Transmitted TTI
Path Preference	Z to A
Path Search Option	

Table 126-2 Additional Information

Name	Value
Displayed name	Additional Information
OSS name	stateCause
Type	optical.OperationalFlags
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|States
Description	Indicates why operational state is down for this connection.
Enumerated types	
Cross Connect Down	
Missing Cross Connect	
Missing ODUk Connection	
Port (that is not part of CrossConnect) Down	
OCH Trail Name Mismatch	
VTS Connection is Down	
Missing VTS Connection	
Wave Key Mode Mismatch	

(2 of 2)

Table 126-3 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	optical.ConnectionAdminState
Default	Up
Mandatory on creation	yes
Tab|Panel	General|States
Description	The administrative state of the connection.
Enumerated types	
Automatic In-Service	
Blocking	
Down	
Maintenance	
Partially Down	
Standby/Backup	
Unknown	
Up	

Table 126-4 A to Z

Name	Value
Displayed name	A to Z
OSS name	activePathAZ
Type	optical.ProtectionState
Tab|Panel	General|Active Path
Description	Indicates which trail path is the active one in the AZ direction.
Enumerated types	
Unprotected	
Protection	
Working	

Table 126-5 A-Z Expected TTI

Name	Value
Displayed name	A-Z Expected TTI
OSS name	expectedSapiZA
Type	STRING
Minimum	0
Maximum	64
Default	N/A
Tab|Panel	General|TTI Attributes
Description	ODU expected Trail Trace Identifier in Z End of Trail (A-Z direction). For 1830PSS nodes, valid range is [0..15] bytes. For other nodes, valid range is [0..64] bytes.

Table 126-6 A-Z Transmitted TTI

Name	Value
Displayed name	A-Z Transmitted TTI
OSS name	txSapiAZ
Type	STRING
Minimum	0
Maximum	64
Default	N/A
Tab|Panel	General|TTI Attributes

(1 of 2)

Name	Value
Description	ODU transmitted Trail Trace Identifier at A End of Trail (A-Z direction). For 1830PSS nodes, valid range is [0..15] bytes. For other nodes, valid range is [0..64] bytes.

(2 of 2)

Table 126-7 Bidirectional

Name	Value
Displayed name	Bidirectional
OSS name	biDirectional
Type	BOOL
Default	true
Tab|Panel	General|General
Description	Indicates if this connection is a unidirectional or bidirectional connection.

Table 126-8 Connection Type

Name	Value
Displayed name	Connection Type
OSS name	connectionType
Type	optical.ConnectionType
Mandatory on creation	yes
Tab|Panel	General|General
Description	Type of connection.
Enumerated types	
Multipoint Service Path	
OCh CrossConnect	
OCH Trail	
OCH Trail Path	
ODUk CrossConnect	
ODU Trail	
ODU Trail Path	
OT CrossConnect	
OTS Trail	
OTS Trail Path	
OTU Trail	
OTU Trail Path	

(1 of 2)

Name	Value
Port Trail	
Transport Service	
Service Path	
Virtual ODUk Cross Connect	
VTS CrossConnect	

(2 of 2)

Table 126-9 Customer

Name	Value
Displayed name	Customer
OSS name	subscriberPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General

Table 126-10 Force Create OCh XC

Name	Value
Displayed name	Force Create OCh XC
OSS name	forceXcCreate
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Indicates whether the OCH XC should be created by force when power commissioning provisioning state is "InProgress".

Table 126-11 Inconsistency

Name	Value
Displayed name	Inconsistency
OSS name	discrepancy
Type	STRING
Tab|Panel	General|General
Description	Description of discrepancy if there is discrepancy in the Trail.

Table 126-12 Inconsistent

Name	Value
Displayed name	Inconsistent
OSS name	discrepancyFlag
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Flag that indicates if there is any discrepancy in the Trail. Example - when APS Protection Mode parameters for the APS Groups in the trail do not match, then this flag will be enabled.

Table 126-13 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	optical.ConnectionOperState
Tab|Panel	General|States
Description	The operational state of the connection.
Enumerated types	
Down	
Partially Down	
Unknown	
Up	

Table 126-14 Path Preference

Name	Value
Displayed name	Path Preference
OSS name	modifyProtectionPreference
Type	optical.ModifyProtectionPreference
Default	None
Tab|Panel	General|General
Description	Indicates whether the working path or the protection path needs to be retained when Trail protection is modified to unprotected
Enumerated types	
None	

(1 of 2)

Name	Value
Retain Protection Path	
Retain Working Path	

(2 of 2)

Table 126-15 Path Search Option

Name	Value
Displayed name	Path Search Option
OSS name	pathSearchOption
Type	optical.PathSearchType
Default	System Defined
Tab|Panel	General|General
Description	Specifies if routing path should be Auto-picked/Manual for 32s switching sites. In case of Manual routing, constraint is mandatory for each of the 32s switching site.
Enumerated types	
System Defined	
User Defined	

Table 126-16 Payload Type

Name	Value
Displayed name	Payload Type
OSS name	txPayloadType
Type	STRING
Minimum	0
Maximum	3
Default	N/A
Tab|Panel	General|ODUk Attributes
Description	ODU Payload Type.

Table 126-17 Payload Type Mismatch Response

Name	Value
Displayed name	Payload Type Mismatch Response
OSS name	plmConsequenceAction
Type	optical.TimActEnabled

(1 of 2)

Name	Value
Default	Unknown
Tab|Panel	General|ODUk Attributes
Description	Payload Type Mismatch Response Enabled.
Enumerated types	
Disabled	
Unknown	
Enabled	

(2 of 2)

Table 126-18 Protection Level

Name	Value
Displayed name	Protection Level
OSS name	protectionLevel
Type	optical.ProtectionLevel
Default	Unprotected
Mandatory on creation	yes
Tab|Panel	General|General
Description	The calculated level of protection based on the underlying server OTN layers.
Enumerated types	
Protected	
Segment Protected	
Unprotected	

Table 126-19 Protection Type

Name	Value
Displayed name	Protection Type
OSS name	protection
Type	optical.TrailProtectionType
Default	Unprotected
Tab|Panel	General|General
Description	Protection type of the trail.
Enumerated types	
Diverse Route	
OPS Protected	

(1 of 2)

Name	Value
Segment Protected	
SNCI Protected	
SNCN Protected	
SNCNC Protected	
Unprotected	
Y-Cable Protected	

(2 of 2)

Table 126-20 Rate

Name	Value
Displayed name	Rate
OSS name	rate
Type	optical.AssignedRate
Mandatory on creation	yes
Tab|Panel	General|General
Description	Indicates the rate of the trail.
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	

(1 of 3)

Name	Value
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	

(2 of 3)

Name	Value
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 126-21 Trail ID

Name	Value
Displayed name	Trail ID
OSS name	connId
Type	LONG
Minimum	1
Maximum	2147483647
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	Unique id for the Connection.

Table 126-22 Trail Name

Name	Value
Displayed name	Trail Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	256
Tab|Panel	General|General
Description	Displayed name of the Connection.

Table 126-23 TTI Comparison

Name	Value
Displayed name	TTI Comparison
OSS name	timDetMode
Type	optical.TimDetectionMode
Default	Unknown
Tab|Panel	General|TTI Attributes
Description	Indicates the mode of the Trace Identifier Mismatch (TIM) Detection function.
Enumerated types	
Disabled	
Enabled	
Unknown	

Table 126-24 TTI Mismatch Response

Name	Value
Displayed name	TTI Mismatch Response
OSS name	timActEnabled
Type	optical.TimActEnabled
Default	Unknown
Tab|Panel	General|TTI Attributes
Description	Indicates whether the Trace Identifier Mismatch (TIM) Consequent Action function is enabled.
Enumerated types	
Disabled	
Unknown	
Enabled	

Table 126-25 Wave Key Assign Mode

Name	Value
Displayed name	Wave Key Assign Mode
OSS name	wavekeyAssignMode
Type	optical.WavekeySelect
Default	Auto Keying (NE)
Mandatory on creation	yes

(1 of 2)

Name	Value
Tab|Panel	General|OTU/OCH Details
Description	Wavekey generation mode.
Enumerated types	
Auto Keying (NE)	
Auto Keying (NMS)	
Unkeyed	

(2 of 2)

Table 126-26 Z-A Expected TTI

Name	Value
Displayed name	Z-A Expected TTI
OSS name	expectedSapiAZ
Type	STRING
Minimum	0
Maximum	64
Default	N/A
Tab|Panel	General|TTI Attributes
Description	ODU expected Trail Trace Identifier at A End of Trail (Z-A direction). For 1830PSS nodes, valid range is [0..15] bytes. For other nodes, valid range is [0..64] bytes.

Table 126-27 Z-A Transmitted TTI

Name	Value
Displayed name	Z-A Transmitted TTI
OSS name	txSapiZA
Type	STRING
Minimum	0
Maximum	64
Default	N/A
Tab|Panel	General|TTI Attributes
Description	ODU transmitted Trail Trace Identifier at Z End of Trail (Z-A direction). For 1830PSS nodes, valid range is [0..15] bytes. For other nodes, valid range is [0..64] bytes.

Table 126-28 Z to A

Name	Value
Displayed name	Z to A
OSS name	activePathZA
Type	optical.ProtectionState
Tab|Panel	General|Active Path
Description	Indicates which trail path is the active one in the ZA direction.
Enumerated types	
Unprotected	
Protection	
Working	

127 —OduTxTCAProfileAssigner

Table 127-1 OduTxTCAProfileAssigner parameters

Parameters	
Clear Bins Interval Number of Bins	Profile Type TCA Profile

Table 127-2 Clear Bins

Name	Value
Displayed name	Clear Bins
OSS name	clearBins
Type	optical.PerformCommand
Default	1
Tab|Panel	General|General
Description	This attribute is used to clear all the bins in an interval on a particular card and group.
Enumerated types	
Execute	
Execute with Force	
No Cmd	

Table 127-3 Interval

Name	Value
Displayed name	Interval
OSS name	interval
Type	optical.IntervalType
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The collection interval.
Enumerated types	
15 min Interval	
24 hour Interval	

Table 127-4 Number of Bins

Name	Value
Displayed name	Number of Bins
OSS name	noOfBins
Type	INT
Minimum	1
Maximum	33
Default	1
Tab|Panel	General|General
Description	The number of collection bins in the interval.

Table 127-5 Profile Type

Name	Value
Displayed name	Profile Type
OSS name	groupId
Type	netca.TCAProfileType
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The group identifier.
Enumerated types	

(1 of 2)

Name	Value
Card	
CD	
DGD	
Digital Wrapper	
E1	
Ethernet	
FOFF	
Interface	
ODURX	
ODUTX	
OPIN	
OPOUT	
OPR	
OPT	
OPOCHIN	
OPOCHOUT	
OSNR	
OTU	
Physical Code Sublayer	
Port	
PreFEC Bits	
SAP	
SDH	
SONET	
Two Way DM	
Two Way SLM	

(2 of 2)

Table 127-6 TCA Profile

Name	Value
Displayed name	TCA Profile
OSS name	tcaProfilePointer
Type	POINTER
Tab|Panel	General|Select Profile
Description	TCA Profile.

128 —Optical Channel

Table 128-1 Optical Channel parameters

Parameters	
Accounting Policy	Hold Time Units
Accounting Policy	Hold Time Up
Actual Speed	HSMDA Egress Scheduler Policy
Administrative State	Interface ID
Administrative State	L2 Profile
APS Common Configuration	L2Uplink
APS Protected	Link Trap
Automatic VLAN Binding	Link Up
Background Diagnostics Fault Reason	Load Balance Algorithm
Background Diagnostics State	Local Channel ID
Channel Type	Manufacture Date
Class	Manufacturer
CLEI Code	Manufacturing Assembly No
CLI Name	Manufacturing Deviations
Collect Accounting Statistics	Manufacturing Variant
Collect Accounting Statistics	Mode
Configured MAC	MTU
Containing Equipment Status	Name
Description	Network Queue Policy Name
Encap Type	Operational State
Equipped	Operational State
Hardware Class	Parent Interface ID
Hardware MAC	Parent Name
Holding IGH	Part Number
Hold Time Down	Port Scheduler Policy

(1 of 2)

Parameters	
Port Usage	Serial Number
Previous State	Site ID
Queue 1	Site Name
Queue 2	Speed
Queue 3	State
Queue 4	Status
Queue 5	Subrack Connection
Queue 6	UNI Profile
Queue 7	User label
Queue 8	

(2 of 2)

Table 128-2 Accounting Policy

Name	Value
Displayed name	Accounting Policy
OSS name	accountingPolicyObjectPointer
Type	POINTER
Tab|Panel	Policies.General|Accounting

Table 128-3 Accounting Policy

Name	Value
Displayed name	Accounting Policy
OSS name	etherAccountingPolicyObjectPointer
Type	POINTER
Tab|Panel	Policies.General|Ethernet Accounting

Table 128-4 Actual Speed

Name	Value
Displayed name	Actual Speed
OSS name	actualSpeed
Type	LONG
Default	0
Units	kbps
Read-only	yes
Tab|Panel	General|General

Table 128-5 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	opticalequipment.AdministrativeState
Default	noop
Tab|Panel	General|Equipment

Table 128-6 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	opticalequipment.AdministrativeState
Default	noop
Tab|Panel	States|General

Table 128-7 APS Common Configuration

Name	Value
Displayed name	APS Common Configuration
OSS name	isCommonApsConfiguration
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General

Table 128-8 APS Protected

Name	Value
Displayed name	APS Protected
OSS name	isApsProtected
Type	BOOL
Default	false
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|General

(2 of 2)

Table 128-9 Automatic VLAN Binding

Name	Value
Displayed name	Automatic VLAN Binding
OSS name	vlanAutoBind
Type	BOOL
Default	true
Tab|Panel	General|General

Table 128-10 Background Diagnostics Fault Reason

Name	Value
Displayed name	Background Diagnostics Fault Reason
OSS name	backgroundDiagnosticsFaultReason
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 128-11 Background Diagnostics State

Name	Value
Displayed name	Background Diagnostics State
OSS name	backgroundDiagnosticsState
Type	opticalequipment.BackgroundDiagnosticsStateType
Default	unknown
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 128-12 Channel Type

Name	Value
Displayed name	Channel Type

(1 of 2)

Name	Value
OSS name	portChannelType
Type	opticalequipment.DaughterCardChannelType
Default	unknown
Mandatory on creation	yes
Tab|Panel	General|General

(2 of 2)

Table 128-13 Class

Name	Value
Displayed name	Class
OSS name	portClass
Type	opticalequipment.PortClass
Default	none
Read-only	yes
Tab|Panel	General|General

Table 128-14 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING
Minimum	0
Maximum	16
Read-only	yes
Tab|Panel	General|Equipment Location Codes

Table 128-15 CLI Name

Name	Value
Displayed name	CLI Name
OSS name	portName
Type	STRING
Maximum	252
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|General

(2 of 2)

Table 128-16 Collect Accounting Statistics

Name	Value
Displayed name	Collect Accounting Statistics
OSS name	collectStats
Type	BOOL
Default	true
Tab|Panel	Policies.General|Accounting

Table 128-17 Collect Accounting Statistics

Name	Value
Displayed name	Collect Accounting Statistics
OSS name	etherCollectStats
Type	BOOL
Default	false
Tab|Panel	Policies.General|Ethernet Accounting

Table 128-18 Configured MAC

Name	Value
Displayed name	Configured MAC
OSS name	macAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|General

Table 128-19 Containing Equipment Status

Name	Value
Displayed name	Containing Equipment Status
OSS name	containingEquipmentState

(1 of 2)

Name	Value
Type	opticalequipment.ContainingEquipmentState
Default	indeterminate
Read-only	yes
Tab|Panel	States|General

(2 of 2)

Table 128-20 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	256
Tab|Panel	General|General

Table 128-21 Encap Type

Name	Value
Displayed name	Encap Type
OSS name	encapType
Type	opticalequipment.PortEncapType
Default	nullEncap
Tab|Panel	General|General

Table 128-22 Equipped

Name	Value
Displayed name	Equipped
OSS name	isEquipped
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	States|General

Table 128-23 Hardware Class

Name	Value
Displayed name	Hardware Class
OSS name	hardwareClass
Type	opticalequipment.HardwareClassType
Default	no
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 128-24 Hardware MAC

Name	Value
Displayed name	Hardware MAC
OSS name	hwMacAddress
Type	MACADDR
Default	00-00-00-00-00-00
Read-only	yes
Tab|Panel	General|General

Table 128-25 Holding IGH

Name	Value
Displayed name	Holding IGH
OSS name	memberOfIGH
Type	POINTER
Read-only	yes
Tab|Panel	General|IGH Membership
Description	ECMP fate sharing group membership

Table 128-26 Hold Time Down

Name	Value
Displayed name	Hold Time Down
OSS name	holdTimeDown
Type	INT

(1 of 2)

Name	Value
Minimum	0
Maximum	5
Default	0
Units	seconds
Tab|Panel	General|Hold Time

(2 of 2)

Table 128-27 Hold Time Units

Name	Value
Displayed name	Hold Time Units
OSS name	holdTimeUnits
Type	opticalequipment.HoldTimeUnitsType
Default	0
Tab|Panel	General|Hold Time

Table 128-28 Hold Time Up

Name	Value
Displayed name	Hold Time Up
OSS name	holdTimeUp
Type	INT
Minimum	0
Maximum	5
Default	0
Units	seconds
Tab|Panel	General|Hold Time

Table 128-29 HSMDA Egress Scheduler Policy

Name	Value
Displayed name	HSMDA Egress Scheduler Policy
OSS name	portEgrHsmdaSchedulerPolicy
Type	POINTER
Tab|Panel	Policies.General|HSMDA Scheduler
Description	Specifies the hsmda scheduler policy used by this port

Table 128-30 Interface ID

Name	Value
Displayed name	Interface ID
OSS name	snmpPortId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General

Table 128-31 L2 Profile

Name	Value
Displayed name	L2 Profile
OSS name	l2ProfilePointer
Type	POINTER
Tab|Panel	Policies.General|L2 Profile
Description	Pointer to the L2 Profile Policy object.

Table 128-32 L2Uplink

Name	Value
Displayed name	L2Uplink
OSS name	isl2UplinkMode
Type	BOOL
Default	false
Tab|Panel	General|General

Table 128-33 Link Trap

Name	Value
Displayed name	Link Trap
OSS name	linkTrap
Type	INT
Default	disable
Tab|Panel	General|General

Table 128-34 Link Up

Name	Value
Displayed name	Link Up
OSS name	isLinkUp
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	States|General

Table 128-35 Load Balance Algorithm

Name	Value
Displayed name	Load Balance Algorithm
OSS name	loadBalanceAlgorithm
Type	equipment.PortLoadBalanceAlgorithm
Default	N/A
Tab|Panel	General|General
Description	Specifies the load balancing algorithm to be used on this port.
Enumerated types	
Default	
Exclude L4	
Include L4	
N/A	

Table 128-36 Local Channel ID

Name	Value
Displayed name	Local Channel ID
OSS name	displayedLocalChannelId
Type	STRING
Maximum	100
Mandatory on creation	yes
Tab|Panel	General|General
Description	This attribute will be ignored on creation of a APS Common Configuration Sonet Channel (sts3) Since the box will pick one as it very own, based on the portId of the physical port bound to the working circuit. This attribute will not be ignored on creation of a APS Common Configuration Sonet Channel when deep channels are supported (currently only on ASAP MDA).

Table 128-37 Manufacture Date

Name	Value
Displayed name	Manufacture Date
OSS name	manufactureDate
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 128-38 Manufacturer

Name	Value
Displayed name	Manufacturer
OSS name	manufacturer
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 128-39 Manufacturing Assembly No

Name	Value
Displayed name	Manufacturing Assembly No
OSS name	manufacturingAssemblyNo
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 128-40 Manufacturing Deviations

Name	Value
Displayed name	Manufacturing Deviations
OSS name	manufacturingDeviations
Type	STRING
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 128-41 Manufacturing Variant

Name	Value
Displayed name	Manufacturing Variant
OSS name	manufacturingVariant
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 128-42 Mode

Name	Value
Displayed name	Mode
OSS name	mode
Type	opticalequipment.PortMode
Default	undefined
Tab|Panel	General|General

Table 128-43 MTU

Name	Value
Displayed name	MTU
OSS name	mtuValue
Type	INT
Default	0
Units	bytes
Tab|Panel	General|General

Table 128-44 Name

Name	Value
Displayed name	Name

(1 of 2)

Name	Value
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

(2 of 2)

Table 128-45 Network Queue Policy Name

Name	Value
Displayed name	Network Queue Policy Name
OSS name	networkQueuePolicyName
Type	STRING
Minimum	1
Maximum	32
Default	default
Read-only	yes
Tab|Panel	Policies.General|Network Queue

Table 128-46 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	opticalequipment.OperationalState
Default	unknown
Read-only	yes
Tab|Panel	General|Equipment

Table 128-47 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	opticalequipment.OperationalState
Default	unknown

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	States|General

(2 of 2)

Table 128-48 Parent Interface ID

Name	Value
Displayed name	Parent Interface ID
OSS name	parentSnmpPortId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|ParentInfo

Table 128-49 Parent Name

Name	Value
Displayed name	Parent Name
OSS name	parentDisplayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|ParentInfo

Table 128-50 Part Number

Name	Value
Displayed name	Part Number
OSS name	manufacturerBoardNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 128-51 Port Scheduler Policy

Name	Value
Displayed name	Port Scheduler Policy
OSS name	portSchedulerPolicyObjectPointer
Type	POINTER
Tab|Panel	Policies.General|Port Scheduler
Description	Specifies the port scheduler policy used by this port

Table 128-52 Port Usage

Name	Value
Displayed name	Port Usage
OSS name	portUsage
Type	INT
Default	0
Tab|Panel	General|Port Usage

Table 128-53 Previous State

Name	Value
Displayed name	Previous State
OSS name	previousState
Type	opticalequipment.PortState
Default	1
Read-only	yes
Tab|Panel	States|General

Table 128-54 Queue 1

Name	Value
Displayed name	Queue 1
OSS name	portStatsQueue1PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 128-55 Queue 2

Name	Value
Displayed name	Queue 2
OSS name	portStatsQueue2PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 128-56 Queue 3

Name	Value
Displayed name	Queue 3
OSS name	portStatsQueue3PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 128-57 Queue 4

Name	Value
Displayed name	Queue 4
OSS name	portStatsQueue4PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 128-58 Queue 5

Name	Value
Displayed name	Queue 5
OSS name	portStatsQueue5PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 128-59 Queue 6

Name	Value
Displayed name	Queue 6
OSS name	portStatsQueue6PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 128-60 Queue 7

Name	Value
Displayed name	Queue 7
OSS name	portStatsQueue7PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 128-61 Queue 8

Name	Value
Displayed name	Queue 8
OSS name	portStatsQueue8PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 128-62 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	serialNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 128-63 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Equipment

Table 128-64 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Equipment

Table 128-65 Speed

Name	Value
Displayed name	Speed
OSS name	speed
Type	equipment.Speed
Default	0
Units	Mbps
Tab|Panel	General|General
Enumerated types	
Auto Speed	
10	
100	
1000	
10000	
100000	
25000	

(1 of 2)

Name	Value
40000	
Line Rate	
Not Applicable	
Not Available	
OC12	
OC192	
OC3	
OC48	
OC768	
56 kbit/s	
64 kbit/s	
Max100	
Max1000	

(2 of 2)

Table 128-66 State

Name	Value
Displayed name	State
OSS name	state
Type	opticalequipment.PortState
Default	1
Read-only	yes
Tab|Panel	States|General

Table 128-67 Status

Name	Value
Displayed name	Status
OSS name	compositeEquipmentState
Type	opticalequipment.CompositeEquipmentState
Default	indeterminate
Read-only	yes
Tab|Panel	States|General

Table 128-68 Subrack Connection

Name	Value
Displayed name	Subrack Connection
OSS name	mptSubrackPointer
Type	POINTER
Default	no
Tab|Panel	General|Port Usage
Description	specifies where the MPT is connected to on the subrack

Table 128-69 UNI Profile

Name	Value
Displayed name	UNI Profile
OSS name	uniProfilePointer
Type	POINTER
Tab|Panel	Policies.General|UNI Profile
Description	Pointer to the UNI Profile Policy object.

Table 128-70 User label

Name	Value
Displayed name	User label
OSS name	userLabel
Type	STRING
Maximum	15
Default	no
Tab|Panel	General|General

129 —Optical Connection

Table 129-1 Optical Connection parameters

Parameters	
Admin State	Port Z
Bidirectional	Protection State
Connection Type	Rate
Port A	Wave Key Assign Mode

Table 129-2 Admin State

Name	Value
Displayed name	Admin State
OSS name	adminState
Type	optical.ConnectionAdminState
Default	Up
Tab|Panel	General|Connection Info
Description	Admin state of the connection.
Enumerated types	
Automatic In-Service	
Blocking	
Down	
Maintenance	
Partially Down	

(1 of 2)

Name	Value
Standby/Backup	
Unknown	
Up	

(2 of 2)

Table 129-3 Bidirectional

Name	Value
Displayed name	Bidirectional
OSS name	biDirectional
Type	BOOL
Default	true
Mandatory on creation	yes
Tab|Panel	General|Connection Info
Description	Direction of the connection - Unidirectional or Bidirectional.

Table 129-4 Connection Type

Name	Value
Displayed name	Connection Type
OSS name	connectionType
Type	optical.ConnectionType
Mandatory on creation	yes
Tab|Panel	General|Connection Info
Description	Type of connection - ServicePath, ODUTrail, OCHTrail, etc.
Enumerated types	
Multipoint Service Path	
OCh CrossConnect	
OCH Trail	
OCH Trail Path	
ODUk CrossConnect	
ODU Trail	
ODU Trail Path	
OT CrossConnect	
OTS Trail	
OTS Trail Path	

(1 of 2)

Name	Value
OTU Trail	
OTU Trail Path	
Port Trail	
Transport Service	
Service Path	
Virtual ODUk Cross Connect	
VTS CrossConnect	

(2 of 2)

Table 129-5 Port A

Name	Value
Displayed name	Port A
OSS name	portAPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Endpoint Ports A and Z
Description	Physical port pointer for A end.

Table 129-6 Port Z

Name	Value
Displayed name	Port Z
OSS name	portZPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Endpoint Ports A and Z
Description	Physical port pointer for Z end.

Table 129-7 Protection State

Name	Value
Displayed name	Protection State
OSS name	protectionState
Type	optical.ProtectionState
Default	Unprotected

(1 of 2)

Name	Value
Mandatory on creation	yes
Tab|Panel	General|Connection Info
Description	Protection state of the connection - unprotected, working or protection.
Enumerated types	
Unprotected	
Protection	
Working	

(2 of 2)

Table 129-8 Rate

Name	Value
Displayed name	Rate
OSS name	rate
Type	optical.AssignedRate
Mandatory on creation	yes
Tab|Panel	General|Connection Info
Description	Indicates the rate of the connection.
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	

(1 of 3)

Name	Value
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	

(2 of 3)

Name	Value
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 129-9 Wave Key Assign Mode

Name	Value
Displayed name	Wave Key Assign Mode
OSS name	wavekeyAssignMode
Type	optical.WavekeySelect
Default	Auto Keying (NE)
Tab|Panel	General|Connection Info
Description	Wavekey assignment mode.
Enumerated types	
Auto Keying (NE)	
Auto Keying (NMS)	
Unkeyed	

130 —Optical Link

Table 130-1 Optical Link parameters

Parameters	
Assigned Rate	Endpoint B Type
Assigned Rate	Link Rate
Calculated A-Z Loss	Name
Calculated Z-A Loss	Notes
Direction	Site A name
Endpoint A Name	Site B name
Endpoint A - Port	Type
Endpoint A Type	Unmanaged NE Identifier
Endpoint B Name	Unmanaged NE Identifier
Endpoint B - Port	

Table 130-2 Assigned Rate

Name	Value
Displayed name	Assigned Rate
OSS name	assignedRateEndPointA
Type	optical.AssignedRate
Default	Unassigned
Tab|Panel	General|Endpoint A - Port
Description	tnIfType - Assigned Port Rate of EndPoint A.
Enumerated types	

(1 of 3)

Name	Value
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	

(2 of 3)

Name	Value
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 130-3 Assigned Rate

Name	Value
Displayed name	Assigned Rate
OSS name	assignedRateEndPointB
Type	optical.AssignedRate
Default	Unassigned
Tab|Panel	General|Endpoint B - Port

(1 of 3)

Name	Value
Description	tnIfType - Assigned Port Rate of EndPoint B.
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	

(2 of 3)

Name	Value
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 130-4 Calculated A-Z Loss

Name	Value
Displayed name	Calculated A-Z Loss
OSS name	calAtoZLoss
Type	STRING

(1 of 2)

Name	Value
Units	dBm
Tab|Panel	General|General
Description	Calculated A-Z Loss

(2 of 2)

Table 130-5 Calculated Z-A Loss

Name	Value
Displayed name	Calculated Z-A Loss
OSS name	calZtoALoss
Type	STRING
Units	dBm
Tab|Panel	General|General
Description	Calculated Z-A Loss

Table 130-6 Direction

Name	Value
Displayed name	Direction
OSS name	linkDirection
Type	optical.OpticalLinkDirectionType
Default	Bidirectional
Mandatory on creation	yes
Tab|Panel	General|General
Description	Direction of the optical link - unidirectional or bidirectional.
Enumerated types	
Bidirectional	
Unidirectional	

Table 130-7 Endpoint A Name

Name	Value
Displayed name	Endpoint A Name
OSS name	endPointAName
Type	STRING
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|General
Description	Port name of endpoint A.

(2 of 2)

Table 130-8 Endpoint A - Port

Name	Value
Displayed name	Endpoint A - Port
OSS name	endpointAPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Endpoint A - Port
Description	A pointer to the physical port at endpoint A.

Table 130-9 Endpoint A Type

Name	Value
Displayed name	Endpoint A Type
OSS name	endPointAType
Type	optical.EndPointType
Default	Port
Tab|Panel	General|General
Description	Type of endpoint A

Table 130-10 Endpoint B Name

Name	Value
Displayed name	Endpoint B Name
OSS name	endPointBName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Port name of endpoint B.

Table 130-11 Endpoint B - Port

Name	Value
Displayed name	Endpoint B - Port
OSS name	endpointBPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Endpoint B - Port
Description	A pointer to the physical port at endpoint B, if usesManagedEndpointB is true.

Table 130-12 Endpoint B Type

Name	Value
Displayed name	Endpoint B Type
OSS name	endPointBType
Type	optical.EndPointType
Default	Port
Tab|Panel	General|General
Description	Type of endpoint B

Table 130-13 Link Rate

Name	Value
Displayed name	Link Rate
OSS name	linkRate
Type	optical.LinkRate
Default	OS
Tab|Panel	General|General
Enumerated types	
OS	
OTS	

Table 130-14 Name

Name	Value
Displayed name	Name

(1 of 2)

Name	Value
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	200
Tab|Panel	General|General
Description	Name provided by user. It is not mandatory on create. If nothing is given by the user, then SAM provides the name. This is not deployed on the NE for 1830 PSS.

(2 of 2)

Table 130-15 Notes

Name	Value
Displayed name	Notes
OSS name	notes
Type	STRING
Minimum	0
Maximum	254
Tab|Panel	General|General
Description	Information about the optical link.

Table 130-16 Site A name

Name	Value
Displayed name	Site A name
OSS name	endPointASiteName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Site Name of endpoint A. If the link is created from LLDP, this should always be a managed node.

Table 130-17 Site B name

Name	Value
Displayed name	Site B name
OSS name	endPointBSiteName
Type	STRING

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|General
Description	Site Name of endpoint B. If the link is created from LLDP, this should always be a managed node.

(2 of 2)

Table 130-18 Type

Name	Value
Displayed name	Type
OSS name	opticalLinkType
Type	optical.OpticalLinkType
Tab|Panel	General|General
Description	Type of optical link - internal or external.
Enumerated types	
External	
Internal	

Table 130-19 Unmanaged NE Identifier

Name	Value
Displayed name	Unmanaged NE Identifier
OSS name	unManagedNEEndPoint
Type	STRING
Tab|Panel	General|Endpoint A - UnManaged NE
Description	Endpoint of NE which is not managed.

Table 130-20 Unmanaged NE Identifier

Name	Value
Displayed name	Unmanaged NE Identifier
OSS name	unManagedNEEndPoint
Type	STRING
Tab|Panel	General|Endpoint B - UnManaged NE
Description	Endpoint of NE which is not managed.

131 —Optical Path Constraint

Table 131-1 Optical Path Constraint parameters

Parameters	
Constraint Element	Port
Constraint Name	Service Path Type
Constraint Type	Site
ODUk Timeslot	Trail
OPTSG Timeslot	

Table 131-2 Constraint Element

Name	Value
Displayed name	Constraint Element
OSS name	constraintElement
Type	optical.ConstraintElementType
Default	Port
Tab|Panel	General|General
Description	Type of constraint element, e.g. port, site, oduTrail.
Enumerated types	
ODUk TimeSlot	
OPTSG TimeSlot	
Port	
Site	

(1 of 2)

Name	Value
Trail	

(2 of 2)

Table 131-3 Constraint Name

Name	Value
Displayed name	Constraint Name
OSS name	constraintName
Type	STRING
Tab|Panel	General|General
Description	Type of constraint element, e.g. port, site, oduTrail.

Table 131-4 Constraint Type

Name	Value
Displayed name	Constraint Type
OSS name	constraintType
Type	optical.ConstraintType
Default	Exclusion
Mandatory on creation	yes
Tab|Panel	General|General
Description	Type of constraint, e.g. inclusion, exclusion.
Enumerated types	
Exclusion	
Inclusion	

Table 131-5 ODUk Timeslot

Name	Value
Displayed name	ODUk Timeslot
OSS name	odukTimeslotPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General
Description	Pointer to an Oduk timeslot (channel).

Table 131-6 OPTSG Timeslot

Name	Value
Displayed name	OPTSG Timeslot
OSS name	optsgTimeslotPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General
Description	Pointer to an Optsg timeslot (channel).

Table 131-7 Port

Name	Value
Displayed name	Port
OSS name	portPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General
Description	Port Name.

Table 131-8 Service Path Type

Name	Value
Displayed name	Service Path Type
OSS name	protectionType
Type	optical.ProtectionState
Default	Unprotected
Tab|Panel	General|General
Description	Type of connection to be created using this constraint element - Unprotected, working or protection.
Enumerated types	
Unprotected	
Protection	
Working	

Table 131-9 Site

Name	Value
Displayed name	Site
OSS name	sitePointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General
Description	Site Id.

Table 131-10 Trail

Name	Value
Displayed name	Trail
OSS name	trailPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General
Description	Trail Name.

132 —OpticalPortCtp

Table 132-1 OpticalPortCtp parameters

Parameters	
Assigned Rate	Name
Ctp ID	Site ID
Layer Type	Site Name

Table 132-2 Assigned Rate

Name	Value
Displayed name	Assigned Rate
OSS name	assignedRate
Type	optical.AssignedRate
Tab|Panel	General|General
Description	The assigned rate - OTU1, GigE, OC3…
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	

(1 of 3)

Name	Value
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	

(2 of 3)

Name	Value
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 132-3 Ctp ID

Name	Value
Displayed name	Ctp ID
OSS name	ctpId
Type	INT
Minimum	1
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the Ctp.

Table 132-4 Layer Type

Name	Value
Displayed name	Layer Type
OSS name	layerType
Type	optical.LayerType
Tab|Panel	General|General
Description	The layer type - OCH, OTU, ODU, Electrical…
Enumerated types	
Client	
Ethernet	
High Order ODU	
Low Order ODU	
OCH	
ODU	
OTU	

Table 132-5 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 132-6 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 132-7 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

133 —Optical Service Path

Table 133-1 Optical Service Path parameters

Parameters	
Additional Information	Port A
Bidirectional	Port Z
Config Type	Service Component ID
Operational State	Service Path Mode
Path ID	Weight
Path Mode	

Table 133-2 Additional Information

Name	Value
Displayed name	Additional Information
OSS name	stateCause
Type	optical.OperationalFlags
Read-only	yes
Tab|Panel	General|States
Description	Indicates why operational state is down for this connection.
Enumerated types	
Cross Connect Down	
Missing Cross Connect	
Missing ODUk Connection	

(1 of 2)

Name	Value
Port (that is not part of CrossConnect) Down	
OCH Trail Name Mismatch	
VTS Connection is Down	
Missing VTS Connection	
Wave Key Mode Mismatch	

(2 of 2)

Table 133-3 Bidirectional

Name	Value
Displayed name	Bidirectional
OSS name	biDirectional
Type	BOOL
Default	true
Tab|Panel	General|General
Description	Indicates if this connection is a unidirectional or bidirectional connection.

Table 133-4 Config Type

Name	Value
Displayed name	Config Type
OSS name	svcPathConfigType
Type	optical.SvcPathConfigFlags
Read-only	yes
Tab|Panel	General|Service Path Config
Description	Auto assigned during service discovery or creation based on configuration found.
Enumerated types	
Dual stage Mux	
Regen	
Single Fiber	

Table 133-5 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState

(1 of 2)

Name	Value
Type	optical.ConnectionOperState
Tab|Panel	General|States
Description	The operational state of the connection.
Enumerated types	
Down	
Partially Down	
Unknown	
Up	

(2 of 2)

Table 133-6 Path ID

Name	Value
Displayed name	Path ID
OSS name	connId
Type	LONG
Minimum	1
Maximum	2147483647
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	Unique id for the Connection.

Table 133-7 Path Mode

Name	Value
Displayed name	Path Mode
OSS name	protectionState
Type	optical.ProtectionState
Default	Unprotected
Mandatory on creation	yes
Tab|Panel	General|General
Description	The protection state of the connection.
Enumerated types	
Unprotected	
Protection	

(1 of 2)

Name	Value
Working	

(2 of 2)

Table 133-8 Port A

Name	Value
Displayed name	Port A
OSS name	portAPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General
Description	Physical port pointer for A end.

Table 133-9 Port Z

Name	Value
Displayed name	Port Z
OSS name	portZPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General
Description	Physical port pointer for Z end.

Table 133-10 Service Component ID

Name	Value
Displayed name	Service Component ID
OSS name	svcComponentId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General
Description	The id of the transport service to which this service path is associated with.

Table 133-11 Service Path Mode

Name	Value
Displayed name	Service Path Mode
OSS name	serviceMode
Type	optical.TransportServiceMode
Mandatory on creation	yes
Tab|Panel	General|General
Description	Mode of the service path - unprotected/working/protection
Enumerated types	
Protection	
Unprotected	
Working	

Table 133-12 Weight

Name	Value
Displayed name	Weight
OSS name	weight
Type	INT
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	Indicates number of hops in this service path.

134 —Optical Site

Table 134-1 Optical Site parameters

Parameters	
Account Session ID	Name
Account Session ID (Control)	Operational State
Administrative State	Path Type
Creation Mode	Service ID
Customer ID	Service Name
Customer Name	Site Name
Description	State Cause
Dynamic Service Policy	SVC Mgr Service ID
From/To	Switch Name
Monitor Access Interface Operational State	System ID

Table 134-2 Account Session ID

Name	Value
Displayed name	Account Session ID
OSS name	acctSessionId
Type	STRING
Read-only	yes
Tab|Panel	General|Auto-Creation

Table 134-3 Account Session ID (Control)

Name	Value
Displayed name	Account Session ID (Control)
OSS name	acctSessionIdCtrl
Type	STRING
Read-only	yes
Tab|Panel	General|Auto-Creation

Table 134-4 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	netw.AdministrativeState
Default	Up
Tab|Panel	General|General
Description	The administrative state of the service site.
Enumerated types	
Down	
Up	
Unknown	
Inherit	
Not Operational	
Testing	
N/A	
Noop	

Table 134-5 Creation Mode

Name	Value
Displayed name	Creation Mode
OSS name	creationOrigin
Type	svt.L2RouteOriginType
Default	Manual
Mandatory on creation	yes
Tab|Panel	General|Auto-Creation

(1 of 2)

Name	Value
Description	Indicates the protocol or mechanism which created this site.
Enumerated types	
L2VPN (BGP-AD)	
L2VPN (BGP VPLS)	
BGP VPWS	
Dynamic Service	
External Manager (evpnPmsi)	
Manual	
Multi-Segment PW	
External Manager (nvc)	
RADIUS	
SPB	
VPLS PMSI	

(2 of 2)

Table 134-6 Customer ID

Name	Value
Displayed name	Customer ID
OSS name	subscriberId
Type	LONG
Default	1
Read-only	yes
Tab|Panel	General|Customer

Table 134-7 Customer Name

Name	Value
Displayed name	Customer Name
OSS name	subscriberName
Type	STRING
Maximum	32
Read-only	yes
Tab|Panel	General|Customer

Table 134-8 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 134-9 Dynamic Service Policy

Name	Value
Displayed name	Dynamic Service Policy
OSS name	dynamicServicePolicyPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Auto-Creation
Description	Identifies the Dynamic Service Policy used to create this service.

Table 134-10 From/To

Name	Value
Displayed name	From/To
OSS name	sitePosition
Type	optical.SitePosition
Default	A End
Tab|Panel	General|General
Description	Indicates if the site is at A end or Z end of the service.
Enumerated types	
Add	
Drop	
Drop and Continue	
A End	
Z End	

Table 134-11 Monitor Access Interface Operational State

Name	Value
Displayed name	Monitor Access Interface Operational State
OSS name	monitorAccessInterfaceOper
Type	BOOL
Default	false
Tab|Panel	General|General

Table 134-12 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	64
Tab|Panel	General|General
Description	Specifies the Name of the Service Site. It cannot be set to only spaces. Setting to "" , "N/A" , or "n/a" after creation, will clear Site Name from the node and SAM GUI will display "N/A".

Table 134-13 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	netw.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Description	The operational status of this service site.
Enumerated types	
Down	
Failed	
Initializing	
Up	
Not Present	

(1 of 3)

Name	Value
Disabled	
Transition	
Unknown	
Blocking	
MTU Mismatch	
No Egress Label	
No Ingress Label	
No Labels	
Tunnel Down	
Tunnel MTU Too Small	
Tunnel Not Ready	
Indeterminate	
Filtering	
Forwarding	
Dormant	
Lower Layer Down	
Testing	
N/A	
Backup Designated Router	
Designated Router	
Loopback	
Other Designated Router	
Point-to-Point	
Waiting	
attempt	
down	
exchange	
exchange started	
full	
init	
loading	
two way	
Admin Down	
Egress QoS Mismatch	
IES Interface Admin Down	
Ingress QoS Mismatch	
Invalid Egress Interface	

(2 of 3)

Name	Value
Not Alive	
Not Ready	
Transport Tunnel Down	
Port MTU Too Small	

(3 of 3)

Table 134-14 Path Type

Name	Value
Displayed name	Path Type
OSS name	protectionType
Type	optical.ProtectionState
Default	Unprotected
Tab|Panel	General|General
Description	Type of connection which is riding through the drop site.
Enumerated types	
Unprotected	
Protection	
Working	

Table 134-15 Service ID

Name	Value
Displayed name	Service ID
OSS name	serviceId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Service

Table 134-16 Service Name

Name	Value
Displayed name	Service Name
OSS name	serviceName
Type	STRING

(1 of 2)

Name	Value
Maximum	64
Read-only	yes
Tab|Panel	General|Service

(2 of 2)

Table 134-17 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Tab|Panel	General|General
Description	Indicates the Name of the Site.

Table 134-18 State Cause

Name	Value
Displayed name	State Cause
OSS name	operationalFlags
Type	optical.SiteOperFlags
Read-only	yes
Tab|Panel	General|General
Description	Specifies all the conditions that affect the operating status of this service.

Table 134-19 SVC Mgr Service ID

Name	Value
Displayed name	SVC Mgr Service ID
OSS name	svcComponentId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Service

Table 134-20 Switch Name

Name	Value
Displayed name	Switch Name
OSS name	ethernetSwitchCardPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Network Element
Description	On 1830 PSS nodes, new cards like 11QPE24 supports E-LAN (VPLS) and later E-Line (VLL); other cards will follow. All of these cards support the SR-OS object model and behave similar to 7210 nodes. This object represents a service object on a given a site and card. This attribute is a pointer to the card model object.

Table 134-21 System ID

Name	Value
Displayed name	System ID
OSS name	siteId
Type	INETADDR
Default	0.0.0.0
Mandatory on creation	yes
Tab|Panel	General|Network Element

135 —Optical Trail Path

Table 135-1 Optical Trail Path parameters

Parameters	
Additional Information	Trail End Port A
Bidirectional	Trail End Port A
Operational State	Trail End Port Z
Parent Trail	Trail End Port Z
Path ID	Trail Path Mode

Table 135-2 Additional Information

Name	Value
Displayed name	Additional Information
OSS name	stateCause
Type	optical.OperationalFlags
Read-only	yes
Tab|Panel	General|States
Description	Indicates why operational state is down for this connection.
Enumerated types	
Cross Connect Down	
Missing Cross Connect	
Missing ODUk Connection	
Port (that is not part of CrossConnect) Down	

(1 of 2)

135 — Optical Trail Path

Name	Value
OCH Trail Name Mismatch	
VTS Connection is Down	
Missing VTS Connection	
Wave Key Mode Mismatch	

(2 of 2)

Table 135-3 Bidirectional

Name	Value
Displayed name	Bidirectional
OSS name	biDirectional
Type	BOOL
Default	true
Tab|Panel	General|General
Description	Indicates if this connection is a unidirectional or bidirectional connection.

Table 135-4 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	optical.ConnectionOperState
Tab|Panel	General|States
Description	The operational state of the connection.
Enumerated types	
Down	
Partially Down	
Unknown	
Up	

Table 135-5 Parent Trail

Name	Value
Displayed name	Parent Trail
OSS name	trailPointer
Type	POINTER

(1 of 2)

Name	Value
Tab|Panel	General|General
Description	The FDN of the trail to which this trail path is associated with.

(2 of 2)

Table 135-6 Path ID

Name	Value
Displayed name	Path ID
OSS name	connId
Type	LONG
Minimum	1
Maximum	2147483647
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	Unique id for the Connection.

Table 135-7 Trail End Port A

Name	Value
Displayed name	Trail End Port A
OSS name	ctpAPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General
Description	Pointer to the A end Ctp.

Table 135-8 Trail End Port A

Name	Value
Displayed name	Trail End Port A
OSS name	portAPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General
Description	Physical port pointer for A end.

Table 135-9 Trail End Port Z

Name	Value
Displayed name	Trail End Port Z
OSS name	ctpZPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General
Description	Pointer to the Z end Ctp.

Table 135-10 Trail End Port Z

Name	Value
Displayed name	Trail End Port Z
OSS name	portZPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General
Description	Physical port pointer for Z end.

Table 135-11 Trail Path Mode

Name	Value
Displayed name	Trail Path Mode
OSS name	protectionState
Type	optical.ProtectionState
Default	Unprotected
Mandatory on creation	yes
Tab|Panel	General|General
Description	The protection state of the connection.
Enumerated types	
Unprotected	
Protection	
Working	

136 —Optical Transport Service

Table 136-1 Optical Transport Service parameters

Parameters	
Administrative State	Is SubGige Service QinQ
Administrative State	Is SVLAN Push-Pop/Keep Capable QinQ Service
Aggregated Service Site Operational State	Is Untagged Traffic Supported
APS Direction	Managed
A to Z	Modified for Throughput Test
CE-VLANID	Number Of IP Detail Addresses
CE-VLANID - AZ	Number Of Sites
CE-VLANID - ZA	Operational State
Committed Burst Size - AZ (Kbytes)	Path Preference
Committed Burst Size - ZA (Kbytes)	Path Search Option
Committed Info Rate - AZ (Mbps)	Peak Burst Size - AZ (Kbytes)
Committed Info Rate - ZA (Mbps)	Peak Burst Size - ZA (Kbytes)
Composite ID	Peak Info Rate - AZ (Mbps)
Composite Service	Peak Info Rate - ZA (Mbps)
Contains Dynamically Created Sites	Protection Level
Customer	Protection Path Service
Customer ID	Protection Type
Customer Name	QinQ Service Stack-VLAN Tagging Configuration
Description	Rate
Direction	Report Customer Name
Enable Application Performance Reporting	Revert Mode
Force Create OCh XC	Service ID
Inconsistency	Service Name
Inconsistent	Service Priority
Is SubGige Full Rate Service	Service Tier

(1 of 2)

Parameters	
Service Type	Test Suite Count
Stack-VLANID - AZ	Use Existing Unprotected Services
Stack-VLANID - ZA	Wait To Restore
State Cause	Wave Key Assign Mode
SVC Mgr Service ID	Working Path Service
Template	Z to A

(2 of 2)

Table 136-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	optical.ServiceState
Default	up
Mandatory on creation	yes
Tab|Panel	General|General
Description	The administrative state of the service .

Table 136-3 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	optical.ServiceState
Default	up
Mandatory on creation	yes
Tab|Panel	General|States
Description	The administrative state of the service .

Table 136-4 Aggregated Service Site Operational State

Name	Value
Displayed name	Aggregated Service Site Operational State
OSS name	aggrOperationalState
Type	optical.AggrOperState
Default	up

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|General
Description	The operational status of this service site.

(2 of 2)

Table 136-5 APS Direction

Name	Value
Displayed name	APS Direction
OSS name	apsDirection
Type	optical.ApsDirection
Default	Unidirectional
Tab|Panel	General|APS Group
Description	Duplicated from ApsGroup. Applicable only for y-cable protected service in creation mode.
Enumerated types	
Bidirectional	
Unidirectional	

Table 136-6 A to Z

Name	Value
Displayed name	A to Z
OSS name	activePathAZ
Type	optical.TransportServiceMode
Tab|Panel	General|Active Path
Description	Indicates which service path is the active one in the AZ direction.
Enumerated types	
Protection	
Unprotected	
Working	

Table 136-7 CE-VLANID

Name	Value
Displayed name	CE-VLANID

(1 of 2)

Name	Value
OSS name	vtsMapCEVLANID
Type	STRING
Tab|Panel	General|VLAN Configuration Details
Description	Represents the CE VLANID of the vts map

(2 of 2)

Table 136-8 CE-VLANID - AZ

Name	Value
Displayed name	CE-VLANID - AZ
OSS name	vtsMapIngressCEVLANID
Type	STRING
Tab|Panel	General|VLAN Configuration Details
Description	Represents the ingress CE VLANID of the vts map

Table 136-9 CE-VLANID - ZA

Name	Value
Displayed name	CE-VLANID - ZA
OSS name	vtsMapEgressCEVLANID
Type	STRING
Tab|Panel	General|VLAN Configuration Details
Description	Represents the egress CE VLANID of the vts map

Table 136-10 Committed Burst Size - AZ (Kbytes)

Name	Value
Displayed name	Committed Burst Size - AZ (Kbytes)
OSS name	vtsCommittedBurstRate
Type	optical.CbsAndEbsRate
Default	256
Tab|Panel	General|VLAN Configuration Details
Description	Represents the minimum committed burst rate that the service supports on the AZ direction
Enumerated types	
1024	

(1 of 2)

Name	Value
128	
16	
16384	
2048	
256	
32	
4096	
512	
64	
8192	

(2 of 2)

Table 136-11 Committed Burst Size - ZA (Kbytes)

Name	Value
Displayed name	Committed Burst Size - ZA (Kbytes)
OSS name	vtsCommittedBurstRateZA
Type	optical.CbsAndEbsRate
Default	256
Tab|Panel	General|VLAN Configuration Details
Description	Represents the minimum committed burst rate that the service supports on the ZA direction
Enumerated types	
1024	
128	
16	
16384	
2048	
256	
32	
4096	
512	
64	
8192	

Table 136-12 Committed Info Rate - AZ (Mbps)

Name	Value
Displayed name	Committed Info Rate - AZ (Mbps)
OSS name	vtsCommittedInfoRate
Type	optical.CirAndEirRate
Default	100
Tab|Panel	General|VLAN Configuration Details
Description	Represents the minimum committed information rate that the service supports on the AZ direction
Enumerated types	
0	
1	
10	
100	
1000	
10000	
15	
150	
1500	
2	
20	
200	
2000	
25	
250	
2500	
3	
30	
300	
3000	
35	
350	
3500	
4	
40	
400	
4000	
45	

(1 of 2)

Name	Value
450	
4500	
5	
50	
500	
5000	
55	
550	
5500	
6	
60	
600	
6000	
65	
650	
6500	
7	
70	
700	
7000	
75	
750	
7500	
8	
80	
800	
8000	
85	
850	
8500	
9	
90	
900	
9000	
95	
950	
9500	

(2 of 2)

Table 136-13 Committed Info Rate - ZA (Mbps)

Name	Value
Displayed name	Committed Info Rate - ZA (Mbps)
OSS name	vtsCommittedInfoRateZA
Type	optical.CirAndEirRate
Default	100
Tab|Panel	General|VLAN Configuration Details
Description	Represents the minimim committed information rate that the service supports on the ZA direction
Enumerated types	
0	
1	
10	
100	
1000	
10000	
15	
150	
1500	
2	
20	
200	
2000	
25	
250	
2500	
3	
30	
300	
3000	
35	
350	
3500	
4	
40	
400	
4000	
45	

(1 of 2)

Name	Value
450	
4500	
5	
50	
500	
5000	
55	
550	
5500	
6	
60	
600	
6000	
65	
650	
6500	
7	
70	
700	
7000	
75	
750	
7500	
8	
80	
800	
8000	
85	
850	
8500	
9	
90	
900	
9000	
95	
950	
9500	

(2 of 2)

Table 136-14 Composite ID

Name	Value
Displayed name	Composite ID
OSS name	compositeSvcId
Type	LONG
Read-only	yes
Tab|Panel	General|General

Table 136-15 Composite Service

Name	Value
Displayed name	Composite Service
OSS name	compositeSvcPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|General

Table 136-16 Contains Dynamically Created Sites

Name	Value
Displayed name	Contains Dynamically Created Sites
OSS name	containsDynamicSites
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General
Description	Indicates whether this service contains sites created by a dynamic service policy.

Table 136-17 Customer

Name	Value
Displayed name	Customer
OSS name	subscriberPointer
Type	POINTER
Mandatory on creation	yes

(1 of 2)

Name	Value
Tab|Panel	General|General

(2 of 2)

Table 136-18 Customer ID

Name	Value
Displayed name	Customer ID
OSS name	subscriberId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General

Table 136-19 Customer Name

Name	Value
Displayed name	Customer Name
OSS name	customerName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 136-20 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 136-21 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	optical.ServiceDirection
Default	Bidirectional
Tab|Panel	General|General
Description	Indicates if the service is Uni or Bi Directional.
Enumerated types	
Bidirectional	
Unidirectional	

Table 136-22 Enable Application Performance Reporting

Name	Value
Displayed name	Enable Application Performance Reporting
OSS name	enableAppPerfReporting
Type	BOOL
Default	false
Tab|Panel	Application Assurance.5670 RAM Parameters.General|General
Description	5670 RAM property to enable Application Performance reporting.

Table 136-23 Force Create OCh XC

Name	Value
Displayed name	Force Create OCh XC
OSS name	forceXcCreate
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Indicates whether the OCH xc should be created by force when power commisioning provisioning state is "InProgress

Table 136-24 Inconsistency

Name	Value
Displayed name	Inconsistency
OSS name	discrepancy
Type	STRING
Tab|Panel	General|General
Description	Discrepancy.

Table 136-25 Inconsistent

Name	Value
Displayed name	Inconsistent
OSS name	discrepancyFlag
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Discrepancy Flag.

Table 136-26 Is SubGige Full Rate Service

Name	Value
Displayed name	Is SubGige Full Rate Service
OSS name	isQinQFullRateService
Type	BOOL
Default	false
Tab|Panel	General|VLAN Configuration Details
Description	Specifies whether the transport service is QinQ Service with Port Mode [Indicate if the service to be created is a Full Rate Service under subgige rate for QinQ mode]

Table 136-27 Is SubGige Service QinQ

Name	Value
Displayed name	Is SubGige Service QinQ
OSS name	isQinQService
Type	BOOL
Default	false

(1 of 2)

Name	Value
Tab|Panel	General|VLAN Configuration Details
Description	Indicate if the service to be created is a qinq service under subgige rate

(2 of 2)

Table 136-28 Is SVLAN Push-Pop/Keep Capable QinQ Service

Name	Value
Displayed name	Is SVLAN Push-Pop/Keep Capable QinQ Service
OSS name	isApplicableSVLANPushPop
Type	BOOL
Default	false
Tab|Panel	General|VLAN Configuration Details
Description	Indicates if SVLAN ID Push Pop Keep feature is applicable for this SubGige QinQ Service

Table 136-29 Is Untagged Traffic Supported

Name	Value
Displayed name	Is Untagged Traffic Supported
OSS name	isUntaggedTrafficSupported
Type	BOOL
Default	false
Tab|Panel	General|VLAN Configuration Details
Description	If Untagged Traffic Supported.Specifies whether the transport service is carrying untagged traffic.

Table 136-30 Managed

Name	Value
Displayed name	Managed
OSS name	isServicePathCreated
Type	BOOL
Default	false
Tab|Panel	General|General
Description	If true, sites cannot be modified, only 'complete service' can be done.

Table 136-31 Modified for Throughput Test

Name	Value
Displayed name	Modified for Throughput Test
OSS name	mfThroughputTest
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General
Description	Indicates whether this service is modified for the service throughput test.

Table 136-32 Number Of IP Detail Addresses

Name	Value
Displayed name	Number Of IP Detail Addresses
OSS name	ipDetailCount
Type	INT
Minimum	0
Maximum	100
Default	10
Tab|Panel	Application Assurance.5670 RAM Parameters.General|General
Description	5670 RAM property for the number of addresses that require IP Detail reporting.

Table 136-33 Number Of Sites

Name	Value
Displayed name	Number Of Sites
OSS name	numberOfSites
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|General

Table 136-34 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	equipment.OperationalState
Default	Down
Tab|Panel	General|States
Description	Operational State is built depending on the OT port oper states and XC oper state of Working Path.
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	
Provisioned	
Reserved	
Reset Pending	
Shutting Down	
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

Table 136-35 Path Preference

Name	Value
Displayed name	Path Preference
OSS name	modifyProtectionPreference
Type	optical.ModifyProtectionPreference
Default	None
Tab|Panel	General|General
Description	Indicates whether the working path or the protection path needs to be retained when Service protection is modified to unprotected
Enumerated types	
None	
Retain Protection Path	
Retain Working Path	

Table 136-36 Path Search Option

Name	Value
Displayed name	Path Search Option
OSS name	pathSearchOption
Type	optical.PathSearchType
Default	System Defined
Tab|Panel	General|General
Description	Specifies if routing path should be Auto-picked/Manual for 32s switching sites. In case of Manual routing, constraint is mandatory for each of the 32s switching site.
Enumerated types	
System Defined	
User Defined	

Table 136-37 Peak Burst Size - AZ (Kbytes)

Name	Value
Displayed name	Peak Burst Size - AZ (Kbytes)
OSS name	vtsExcessBurstRate
Type	optical.CbsAndEbsRate
Default	4096
Tab|Panel	General|VLAN Configuration Details

(1 of 2)

Name	Value
Description	Represents the minimim excess burst rate that the service supports on the AZ direction
Enumerated types	
1024	
128	
16	
16384	
2048	
256	
32	
4096	
512	
64	
8192	

(2 of 2)

Table 136-38 Peak Burst Size - ZA (Kbytes)

Name	Value
Displayed name	Peak Burst Size - ZA (Kbytes)
OSS name	vtsExcessBurstRateZA
Type	optical.CbsAndEbsRate
Default	4096
Tab|Panel	General|VLAN Configuration Details
Description	Represents the minimum excess burst rate that the service supports on the ZA direction
Enumerated types	
1024	
128	
16	
16384	
2048	
256	
32	
4096	
512	
64	
8192	

Table 136-39 Peak Info Rate - AZ (Mbps)

Name	Value
Displayed name	Peak Info Rate - AZ (Mbps)
OSS name	vtsExcessInfoRate
Type	optical.CirAndEirRate
Default	100
Tab|Panel	General|VLAN Configuration Details
Description	Represents the minimum excess information rate that the service supports on the AZ direction
Enumerated types	
0	
1	
10	
100	
1000	
10000	
15	
150	
1500	
2	
20	
200	
2000	
25	
250	
2500	
3	
30	
300	
3000	
35	
350	
3500	
4	
40	
400	
4000	
45	

(1 of 2)

Name	Value
450	
4500	
5	
50	
500	
5000	
55	
550	
5500	
6	
60	
600	
6000	
65	
650	
6500	
7	
70	
700	
7000	
75	
750	
7500	
8	
80	
800	
8000	
85	
850	
8500	
9	
90	
900	
9000	
95	
950	
9500	

(2 of 2)

Table 136-40 Peak Info Rate - ZA (Mbps)

Name	Value
Displayed name	Peak Info Rate - ZA (Mbps)
OSS name	vtsExcessInfoRateZA
Type	optical.CirAndEirRate
Default	100
Tab|Panel	General|VLAN Configuration Details
Description	Represents the minimum excess information rate that the service supports on the ZA direction
Enumerated types	
0	
1	
10	
100	
1000	
10000	
15	
150	
1500	
2	
20	
200	
2000	
25	
250	
2500	
3	
30	
300	
3000	
35	
350	
3500	
4	
40	
400	
4000	
45	

(1 of 2)

Name	Value
450	
4500	
5	
50	
500	
5000	
55	
550	
5500	
6	
60	
600	
6000	
65	
650	
6500	
7	
70	
700	
7000	
75	
750	
7500	
8	
80	
800	
8000	
85	
850	
8500	
9	
90	
900	
9000	
95	
950	
9500	

(2 of 2)

Table 136-41 Protection Level

Name	Value
Displayed name	Protection Level
OSS name	protectionLevel
Type	optical.ProtectionLevel
Default	Unprotected
Mandatory on creation	yes
Tab|Panel	General|General
Description	The calculated protection based on the underlying server otn layers.
Enumerated types	
Protected	
Segment Protected	
Unprotected	

Table 136-42 Protection Path Service

Name	Value
Displayed name	Protection Path Service
OSS name	diverseProtectionService
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Diverse Route Details
Description	Needs to be set , while creating a diverse routed service, using two existing unprotected services.

Table 136-43 Protection Type

Name	Value
Displayed name	Protection Type
OSS name	protection
Type	optical.ProtectionType
Default	Unprotected
Tab|Panel	General|General
Description	Protection Type of the Service
Enumerated types	
Diverse Route	

(1 of 2)

136 — Optical Transport Service

Name	Value
ESNCP Protected	
OPS Protected	
Segment Protected	
Unprotected	
Y-Cable Protected	

(2 of 2)

Table 136-44 QinQ Service Stack-VLAN Tagging Configuration

Name	Value
Displayed name	QinQ Service Stack-VLAN Tagging Configuration
OSS name	svlanTaggingConfiguration
Type	optical.SVLANTaggingConfiguration
Default	Push-Pop
Tab|Panel	General|VLAN Configuration Details
Description	Indicates QinQ Service Stack-VLAN Tagging Configuration. Specifies the type of Stack-VLAN configuration : Push-Pop or Keep.
Enumerated types	
Push-Pop	

Table 136-45 Rate

Name	Value
Displayed name	Rate
OSS name	rate
Type	optical.AssignedRate
Default	unspecified
Tab|Panel	General|General
Description	Service Rate - Indicates the rate of the termination points.
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	

(1 of 3)

Name	Value
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	

(2 of 3)

Name	Value
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 136-46 Report Customer Name

Name	Value
Displayed name	Report Customer Name
OSS name	reportCustName
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	Application Assurance.5670 RAM Parameters.General|General
Description	Customer name to be used for 5670 RAM reports.

Table 136-47 Revert Mode

Name	Value
Displayed name	Revert Mode
OSS name	revertMode
Type	optical.ApsRevertMode
Default	Non Revertive
Tab|Panel	General|APS Group
Description	Duplicated from ApsGroup. Applicable only for y-cable protected service in creation mode. Specifies the Reversion mode of the Transport Service.
Enumerated types	
Non Revertive	
Revertive	

Table 136-48 Service ID

Name	Value
Displayed name	Service ID
OSS name	serviceId
Type	LONG
Minimum	1
Maximum	2147483647
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 136-49 Service Name

Name	Value
Displayed name	Service Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	General|General

Table 136-50 Service Priority

Name	Value
Displayed name	Service Priority
OSS name	svcPriority
Type	security.PriorityType
Default	Low
Tab|Panel	General|General
Description	The priority of the service.
Enumerated types	
High	
Low	
Medium	

Table 136-51 Service Tier

Name	Value
Displayed name	Service Tier
OSS name	tier
Type	INT
Minimum	1
Maximum	10
Default	1
Tab|Panel	General|General

Table 136-52 Service Type

Name	Value
Displayed name	Service Type
OSS name	className
Tab|Panel	General|General

Table 136-53 Stack-VLANID - AZ

Name	Value
Displayed name	Stack-VLANID - AZ

(1 of 2)

Name	Value
OSS name	vtsMapEgressSVLANID
Type	LONG
Minimum	1
Maximum	4095
Default	10
Tab|Panel	General|VLAN Configuration Details
Description	Represents the egress S VLANID of the vts map in qinq mode

(2 of 2)

Table 136-54 Stack-VLANID - ZA

Name	Value
Displayed name	Stack-VLANID - ZA
OSS name	vtsMapIngressSVLANID
Type	LONG
Minimum	1
Maximum	4095
Default	10
Tab|Panel	General|VLAN Configuration Details
Description	Represents the ingress S VLANID of the vts map in qinq mode

Table 136-55 State Cause

Name	Value
Displayed name	State Cause
OSS name	operationalFlags
Type	optical.OperFlags
Read-only	yes
Tab|Panel	General|General
Description	Specifies all the conditions that affect the operating status of this service.

Table 136-56 SVC Mgr Service ID

Name	Value
Displayed name	SVC Mgr Service ID
OSS name	id

(1 of 2)

Name	Value
Type	LONG
Minimum	1
Maximum	1000000999999
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

(2 of 2)

Table 136-57 Template

Name	Value
Displayed name	Template
OSS name	templatePointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General

Table 136-58 Test Suite Count

Name	Value
Displayed name	Test Suite Count
OSS name	sasTestSuiteCount
Type	INT
Minimum	0
Default	0
Read-only	yes
Tab|Panel	General|General

Table 136-59 Use Existing Unprotected Services

Name	Value
Displayed name	Use Existing Unprotected Services
OSS name	isCreateDiverseFromExisting
Type	BOOL
Default	false
Tab|Panel	General|Diverse Route Details

(1 of 2)

Name	Value
Description	Set to 'true', while creating a diverse routed service, using two existing unprotected services.

(2 of 2)

Table 136-60 Wait To Restore

Name	Value
Displayed name	Wait To Restore
OSS name	waitToRestore
Type	INT
Minimum	1
Maximum	20
Default	5
Units	minutes
Tab|Panel	General|APS Group
Description	Duplicated from ApsGroup. Applicable only for y-cable protected service in creation/edit mode.

Table 136-61 Wave Key Assign Mode

Name	Value
Displayed name	Wave Key Assign Mode
OSS name	wavekeyAssignMode
Type	optical.WavekeySelect
Default	Auto Keying (NE)
Tab|Panel	General|General
Description	Indicates the wavekey generation mode for the service.
Enumerated types	
Auto Keying (NE)	
Auto Keying (NMS)	
Unkeyed	

Table 136-62 Working Path Service

Name	Value
Displayed name	Working Path Service
OSS name	diverseWorkingService

(1 of 2)

Name	Value
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Diverse Route Details
Description	Needs to be set , while creating a diverse routed service, using two existing unprotected services.

(2 of 2)

Table 136-63 Z to A

Name	Value
Displayed name	Z to A
OSS name	activePathZA
Type	optical.TransportServiceMode
Tab|Panel	General|Active Path
Description	Indicates which service path is the active one in the ZA direction.
Enumerated types	
Protection	
Unprotected	
Working	

137 —OPTSG

Table 137-1 OPTSG parameters

Parameters	
Assigned Rate	Name
Client Signal Type	OPTSG Id
Ctp ID	Site ID
Layer Type	Site Name
Line Side LO-ODUk	Site Name
Line Side Timeslots	Transmitted Timslots

Table 137-2 Assigned Rate

Name	Value
Displayed name	Assigned Rate
OSS name	assignedRate
Type	optical.AssignedRate
Tab|Panel	General|General
Description	The assigned rate - OTU1, GigE, OC3…
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	

(1 of 3)

Name	Value
CBR2G5	
DCN	
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	

(2 of 3)

Name	Value
ODUFlex-FC400	
ONETRU	
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 137-3 Client Signal Type

Name	Value
Displayed name	Client Signal Type
OSS name	clientSignalType
Type	optical.OptsgClientSignalType
Mandatory on creation	yes
Tab|Panel	General|General
Description	Client signal type.
Enumerated types	
OC12	
OC3	

(1 of 2)

Name	Value
STM1	
STM4	

(2 of 2)

Table 137-4 Ctp ID

Name	Value
Displayed name	Ctp ID
OSS name	ctpId
Type	INT
Minimum	1
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the Ctp.

Table 137-5 Layer Type

Name	Value
Displayed name	Layer Type
OSS name	layerType
Type	optical.LayerType
Tab|Panel	General|General
Description	The layer type - OCH, OTU, ODU, Electrical…
Enumerated types	
Client	
Ethernet	
High Order ODU	
Low Order ODU	
OCH	
ODU	
OTU	

Table 137-6 Line Side LO-ODUk

Name	Value
Displayed name	Line Side LO-ODUk
OSS name	associatedLinePortLoOduk
Type	STRING
Tab|Panel	General|General
Description	Associated Line side LoOdukChannel object.

Table 137-7 Line Side Timeslots

Name	Value
Displayed name	Line Side Timeslots
OSS name	associatedLinePortTimeslots
Type	STRING
Tab|Panel	General|General
Description	Associated Line side timeslots.

Table 137-8 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 137-9 OPTSG Id

Name	Value
Displayed name	OPTSG Id
OSS name	optsgId
Type	LONG
Mandatory on creation	yes
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	Id of OPTSG object.

(2 of 2)

Table 137-10 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 137-11 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 137-12 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 137-13 Transmitted Timslots

Name	Value
Displayed name	Transmitted Timslots
OSS name	txTimeslots
Type	STRING
Tab|Panel	General|General
Description	Comma separated list of transmitted timeslots.

138 —OPTSG Cross Connect

Table 138-1 OPTSG Cross Connect parameters

Parameters	
Bidirectional Destination ID Name Protection State	Rate Site ID Site Name Source

Table 138-2 Bidirectional

Name	Value
Displayed name	Bidirectional
OSS name	biDirectional
Type	BOOL
Default	true
Mandatory on creation	yes
Tab|Panel	General|General
Description	Indicates if this connection is a unidirectional or bidirectional connection.

Table 138-3 Destination

Name	Value
Displayed name	Destination
OSS name	endpointZName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Name of the endpoint Z, used for display.

Table 138-4 ID

Name	Value
Displayed name	ID
OSS name	xcId
Type	LONG
Minimum	1
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	SAM generated XC id used for FDN.

Table 138-5 Name

Name	Value
Displayed name	Name
OSS name	odukXcName
Type	STRING
Mandatory on creation	yes
Tab|Panel	General|General
Description	The description of the Oduk cross connect.

Table 138-6 Protection State

Name	Value
Displayed name	Protection State

(1 of 2)

Name	Value
OSS name	protectionState
Type	optical.ProtectionState
Default	Unprotected
Read-only	yes
Mandatory on creation	yes
Tab|Panel	General|General
Description	The protection state of the connection.
Enumerated types	
Unprotected	
Protection	
Working	

(2 of 2)

Table 138-7 Rate

Name	Value
Displayed name	Rate
OSS name	odukXcRate
Type	optical.OdukXcRate
Mandatory on creation	yes
Tab|Panel	General|General
Description	The Oduk cross connect Rate.
Enumerated types	
Null	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUflex	
ODUflex_3GSDI	

(1 of 2)

Name	Value
ODUFlex-CBR	
ODUflex_FC400	
ODUFlex-GFP	
ODUflex_SDR	
OPTSG	

(2 of 2)

Table 138-8 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Tab|Panel	General|General
Description	Site id.

Table 138-9 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Tab|Panel	General|General
Description	Site name.

Table 138-10 Source

Name	Value
Displayed name	Source
OSS name	endpointAName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Name of the endpoint A, used for display.

139 —OSPF Interface

Table 139-1 OSPF Interface parameters

Parameters	
Administrative State	LDP Synchronization State
Advertise Subnet	Loop-free Alternate Exclude
Area ID	LSA Checksum Sum
Authentication Type	LSA Count
Backup Designated Router ID	LSA Filter Out
Backup Designated Router IP Address	Metric
BFD DRs-Only	Neighbor Count
BFD Enabled	Network Type
Configured Interface/Port MTU	Operational Interface/Port MTU
Configured MTU	Operational Metric
Description	Operational MTU
Designated Router ID	Operational State
Designated Router IP Address	Outer Encapsulation Value
Enable Advertise Router Capability	Passive
Encapsulation Type	Password
Hello Interval	Poll Interval
Inner Encapsulation Value	Port
Instance ID	Priority
Interface Class	Protocol
Interface ID	Retransmission Interval
Interface ID	Router Dead Interval
Interface Name	Routing Instance ID
IPsec In Static Security Association	Routing Instance Name
IPsec Out Static Security Association	Site ID
IPsec Security Association Name	Site Name

(1 of 2)

Parameters	
State Qualifier TE Metric Transit Delay	Type Version

(2 of 2)

Table 139-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	ospf.AdministrativeState
Default	unspecified
Tab|Panel	General|States

Table 139-3 Advertise Subnet

Name	Value
Displayed name	Advertise Subnet
OSS name	advertiseSubnet
Type	BOOL
Default	true
Tab|Panel	Protocol Properties|General

Table 139-4 Area ID

Name	Value
Displayed name	Area ID
OSS name	areaId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Routing Instance

Table 139-5 Authentication Type

Name	Value
Displayed name	Authentication Type
OSS name	authenticationType
Type	ospf.AuthenticationType
Default	No Authentication
Tab|Panel	Authentication|General
Enumerated types	
MD5-based Authentication	
No Authentication	
Simple Password	

Table 139-6 Backup Designated Router ID

Name	Value
Displayed name	Backup Designated Router ID
OSS name	backupDesignatedRouterId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Designated Router

Table 139-7 Backup Designated Router IP Address

Name	Value
Displayed name	Backup Designated Router IP Address
OSS name	backupDesignatedRouterAddress
Type	INETADDR
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Designated Router

Table 139-8 BFD DRs-Only

Name	Value
Displayed name	BFD DRs-Only
OSS name	bfdDRsOnly
Type	INT
Default	allNbrs
Tab|Panel	Protocol Properties|General
Description	Enables/Disables Drs Only option for a BFD interface" Applicable to AOS nodes

Table 139-9 BFD Enabled

Name	Value
Displayed name	BFD Enabled
OSS name	bfdEnabled
Type	BOOL
Default	false
Tab|Panel	Protocol Properties|General
Description	specifies whether Bi-directional Forwarding Detection is enabled in this interface. When the value is 'true', this interface can establish BFD sessions and use BFD as a signalling mechanism. When it is 'false', it cannot use BFD.

Table 139-10 Configured Interface/Port MTU

Name	Value
Displayed name	Configured Interface/Port MTU
OSS name	provisionedMtu
Type	INT
Default	1500
Units	bytes
Read-only	yes
Tab|Panel	General|Frame Size Constraints

Table 139-11 Configured MTU

Name	Value
Displayed name	Configured MTU

(1 of 2)

Name	Value
OSS name	mtu
Type	INT
Minimum	0
Maximum	9198
Default	0
Units	bytes
Tab|Panel	General|Frame Size Constraints

(2 of 2)

Table 139-12 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 139-13 Designated Router ID

Name	Value
Displayed name	Designated Router ID
OSS name	designatedRouterId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Designated Router

Table 139-14 Designated Router IP Address

Name	Value
Displayed name	Designated Router IP Address
OSS name	designatedRouterAddress
Type	INETADDR

(1 of 2)

Name	Value
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Designated Router

(2 of 2)

Table 139-15 Enable Advertise Router Capability

Name	Value
Displayed name	Enable Advertise Router Capability
OSS name	ospfNgIfAdvRtrCapability
Type	BOOL
Default	true
Tab|Panel	Protocol Properties|General
Description	The value of ospfNgIfAdvRtrCapability specifies whether or not advertise-router-capabilities are enabled at interface level.

Table 139-16 Encapsulation Type

Name	Value
Displayed name	Encapsulation Type
OSS name	encapType
Type	equipment.PortEncapType
Default	unspecified
Read-only	yes
Tab|Panel	General|Interface
Enumerated types	
ATM	
BCP Dot1 Q	
BCP Null	
CEM	
FR	
Cisco HDLC	
IPCP	
MPLS	
Null	
PPP Auto	
Dot1 Q	

(1 of 2)

Name	Value
Q in Q	
HDLC	
N/A	
WAN Mirror	

(2 of 2)

Table 139-17 Hello Interval

Name	Value
Displayed name	Hello Interval
OSS name	helloInterval
Type	INT
Minimum	1
Maximum	65535
Default	10
Units	seconds
Tab|Panel	Protocol Properties|Intervals

Table 139-18 Inner Encapsulation Value

Name	Value
Displayed name	Inner Encapsulation Value
OSS name	terminatedPortInnerEncapValue
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Interface
Description	combined with terminatedPortOuterEncapValue to produce terminatedPortCombinedEncapValue

Table 139-19 Instance ID

Name	Value
Displayed name	Instance ID
OSS name	instanceIndex
Type	LONG

(1 of 2)

Name	Value
Default	0
Read-only	yes
Tab|Panel	General|Routing Instance
Description	Identifies a specific instance of a version of the OSPF protocol running in the router instance specified by the routerId.

(2 of 2)

Table 139-20 Interface Class

Name	Value
Displayed name	Interface Class
OSS name	interfaceClass
Type	rtr.RtrInterfaceClass
Default	unspecified
Read-only	yes
Tab|Panel	General|Interface
Enumerated types	
Management	
Numbered	
System	
Unspecified	
Unnumbered	

Table 139-21 Interface ID

Name	Value
Displayed name	Interface ID
OSS name	interfaceId
Type	INT
Default	0
Mandatory on creation	yes
Tab|Panel	General|Interface

Table 139-22 Interface ID

Name	Value
Displayed name	Interface ID
OSS name	terminatedObjectId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Interface

Table 139-23 Interface Name

Name	Value
Displayed name	Interface Name
OSS name	terminatedObjectName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Interface

Table 139-24 IPsec In Static Security Association

Name	Value
Displayed name	IPsec In Static Security Association
OSS name	ospfIfInboundSANamePointer
Type	POINTER
Tab|Panel	IPsec Static SA|General

Table 139-25 IPsec Out Static Security Association

Name	Value
Displayed name	IPsec Out Static Security Association
OSS name	ospfIfOutboundSANamePointer
Type	POINTER
Tab|Panel	IPsec Static SA|General

Table 139-26 IPsec Security Association Name

Name	Value
Displayed name	IPsec Security Association Name
OSS name	ipsecstaticSAName
Type	ospf.IPsecStaticSAAuthType
Default	None
Tab|Panel	IPsec Static SA|General
Enumerated types	
Bi-directional	
None	
Uni-directional	

Table 139-27 LDP Synchronization State

Name	Value
Displayed name	LDP Synchronization State
OSS name	ldpSyncState
Type	INT
Read-only	yes
Tab|Panel	Protocol Properties|LDP Synchronization
Description	Indicates if IGP-LDP synchronization is enabled on this interface.

Table 139-28 Loop-free Alternate Exclude

Name	Value
Displayed name	Loop-free Alternate Exclude
OSS name	loopfreeAlternateExclude
Type	BOOL
Default	false
Tab|Panel	Protocol Properties|General
Description	The value of loopfreeAlternateExclude specifies whether or not the OSPF interface should be excluded during LFA calculations.

Table 139-29 LSA Checksum Sum

Name	Value
Displayed name	LSA Checksum Sum
OSS name	lsaChecksumSum
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Protocol Properties|Counters

Table 139-30 LSA Count

Name	Value
Displayed name	LSA Count
OSS name	lsaCount
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Protocol Properties|Counters

Table 139-31 LSA Filter Out

Name	Value
Displayed name	LSA Filter Out
OSS name	ospfNgIfLsaFilterOut
Type	ospf.OspfLsaFilterOutTc
Default	None
Tab|Panel	Protocol Properties|General
Description	The value of ospfNgIfLsaFilterOut specifies whether or not flooded LSA's should be sent to any adjacent neighbor on the OSPF interface.
Enumerated types	
All	
ExceptOwnRtrLsa	
ExceptOwnRtrLsaAndDefaults	
None	

Table 139-32 Metric

Name	Value
Displayed name	Metric
OSS name	metric
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	Protocol Properties|General
Description	specifies the desired metric value assigned to this interface. The default value '0' causes the value of the metric to be calculated as (Reference Bandwidth / ifSpeed).

Table 139-33 Neighbor Count

Name	Value
Displayed name	Neighbor Count
OSS name	neighborCount
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Protocol Properties|Counters

Table 139-34 Network Type

Name	Value
Displayed name	Network Type
OSS name	networkType
Type	INT
Default	transit
Read-only	yes
Tab|Panel	Protocol Properties|General

Table 139-35 Operational Interface/Port MTU

Name	Value
Displayed name	Operational Interface/Port MTU
OSS name	actualMtu
Type	INT
Default	1500
Units	bytes
Read-only	yes
Tab|Panel	General|Frame Size Constraints

Table 139-36 Operational Metric

Name	Value
Displayed name	Operational Metric
OSS name	operMetric
Type	INT
Minimum	0
Maximum	65535
Default	0
Read-only	yes
Tab|Panel	Protocol Properties|General
Description	The value indicates the metric value this interface is using. The default value of the Metric is (Reference Bandwidth / ifSpeed). The value of the reference bandwidth is configured by the tmnxOspfReferenceBandwidth object (ifBaseRefCost on the Site).

Table 139-37 Operational MTU

Name	Value
Displayed name	Operational MTU
OSS name	operationalMtu
Type	INT
Default	0
Units	bytes
Read-only	yes
Tab|Panel	General|Frame Size Constraints

Table 139-38 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	ospf.OperationalState
Default	unknown
Read-only	yes
Tab|Panel	General|States

Table 139-39 Outer Encapsulation Value

Name	Value
Displayed name	Outer Encapsulation Value
OSS name	terminatedPortOuterEncapValue
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Interface
Description	combined with terminatedPortInnerEncapValue to produce terminatedPortCombinedEncapValue

Table 139-40 Passive

Name	Value
Displayed name	Passive
OSS name	isPassive
Type	BOOL
Default	false
Tab|Panel	Protocol Properties|General

Table 139-41 Password

Name	Value
Displayed name	Password
OSS name	authenticationKey
Type	STRING

(1 of 2)

Name	Value
Minimum	0
Maximum	8
Tab|Panel	Authentication|General

(2 of 2)

Table 139-42 Poll Interval

Name	Value
Displayed name	Poll Interval
OSS name	pollInterval
Type	INT
Minimum	0
Maximum	2147483647
Default	120
Units	seconds
Tab|Panel	Protocol Properties|Intervals

Table 139-43 Port

Name	Value
Displayed name	Port
OSS name	portName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Interface

Table 139-44 Priority

Name	Value
Displayed name	Priority
OSS name	priority
Type	INT
Minimum	0
Maximum	255
Default	1

(1 of 2)

Name	Value
Tab|Panel	Protocol Properties|General

(2 of 2)

Table 139-45 Protocol

Name	Value
Displayed name	Protocol
OSS name	application
Type	ospf.ApplicationType
Default	unknown
Read-only	yes
Tab|Panel	General|General

Table 139-46 Retransmission Interval

Name	Value
Displayed name	Retransmission Interval
OSS name	retransmissionInterval
Type	INT
Minimum	1
Maximum	1800
Default	5
Units	seconds
Tab|Panel	Protocol Properties|Intervals

Table 139-47 Router Dead Interval

Name	Value
Displayed name	Router Dead Interval
OSS name	routerDeadInterval
Type	INT
Minimum	0
Maximum	2147483647
Default	40
Units	seconds
Tab|Panel	Protocol Properties|Intervals

Table 139-48 Routing Instance ID

Name	Value
Displayed name	Routing Instance ID
OSS name	routerId
Type	INT
Minimum	1
Maximum	10240
Default	1
Read-only	yes
Tab|Panel	General|Routing Instance

Table 139-49 Routing Instance Name

Name	Value
Displayed name	Routing Instance Name
OSS name	routerName
Type	STRING
Minimum	0
Maximum	32
Read-only	yes
Tab|Panel	General|Routing Instance

Table 139-50 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 139-51 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 139-52 State Qualifier

Name	Value
Displayed name	State Qualifier
OSS name	compositeState
Type	ospf.ResourceCompositeState
Default	OK
Read-only	yes
Tab|Panel	General|States
Description	This value is derived from underlyingResourceState and/or resourceState attributes. If the underlyingResourceState is not 'OK' and is not 'unspecified' the value of compositeState will be set to the same value as underlyingResourceState. Otherwise the value of compositeState will be set to the same value as resourceState.

Table 139-53 TE Metric

Name	Value
Displayed name	TE Metric
OSS name	teMetric
Type	LONG
Minimum	0
Maximum	16777215
Read-only	yes
Tab|Panel	Protocol Properties|General
Description	Indicates the MPLS TE metric configured for this interface.

Table 139-54 Transit Delay

Name	Value
Displayed name	Transit Delay
OSS name	transitDelay
Type	INT
Minimum	1
Maximum	1800
Default	1
Units	seconds
Tab|Panel	Protocol Properties|Intervals

Table 139-55 Type

Name	Value
Displayed name	Type
OSS name	interfaceType
Type	ospf.RouterTerminatingInterfaceType
Default	broadcast
Tab|Panel	Protocol Properties|General

Table 139-56 Version

Name	Value
Displayed name	Version
OSS name	version
Type	INT
Default	2
Read-only	yes
Tab|Panel	General|Routing Instance

140 —OSPF Site

Table 140-1 OSPF Site parameters

Parameters	
Administrative State	Incremental SPF Wait
Advertise Router Capabilities	Initial Wait
Advertise Tunnel Links Enabled	Initial Wait
Area Border Router	Instance ID
AS-Scope Checksum Sum	Interface Base Reference Cost
AS-Scope Count	Internal
Autonomous System Border Router	Last Overload Entered Code
Average Run Time	Last Overload Entered Time
Backbone Router	Last Overload Exit Code
Boot Overload Enabled	Last Overload Exit Time
Boot Overload Interval	Last Time Enabled
Domain ID	Last Time Full SPF LFA Ran
Enable LDP Synchronization	Last Time Full SPF Ran
Exit Overflow Interval	Last Time Ran
Export Limit	LDP Over RSVP Include
Export Limit Log Percent	Loop-free Alternate
External	LSA Accumulate
External LSA Limit	LSA Arrival Wait
External (LS Type 5) Checksum Sum	LSA Generate Max Wait
External (LS Type 5) Count	LSDB Overflow State
Graceful Restart	Maximum Run Time
Helper Mode	Minimum Run Time
Ignore DN Bit	Most Recent Full SPF Run Time
Incremental External Run Count	Most Recent Run Time
Incremental Internal Run Count	Multicast Import

(1 of 2)

Parameters	
Name	Second Wait
Number of Full LFA Runs	Site ID
Number Of Full SPF Runs	Site Name
Number Of Runs	SPF Max Wait
Opaque LSA Support	Stub Router Support
Operational State	Super-Backbone
OSPF Operational Router ID	Suppress DN Bit
OSPF Router ID	Time Entered
Overload Enabled	Time of Exit
Overload External Metric-Type 2	Total Exported Routes
Overload Interval	Traffic Engineering Support
Overload State	Unicast Import
Overload Stubs	Unknown AS-Scope Checksum Sum
Redistribute Delay	Unknown AS-Scope Count
RFC1583 Compatible	Version
Routing Instance ID	VPN Domain ID
Routing Instance Name	VPN Domain Type
RSVP Shortcut Enabled	VPN Tag
Second Wait	

(2 of 2)

Table 140-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	ospf.AdministrativeState
Default	unknown
Tab|Panel	General|State

Table 140-3 Advertise Router Capabilities

Name	Value
Displayed name	Advertise Router Capabilities
OSS name	ospfAdvRtrCapability
Type	ospf.OspfAdvRtrCapabTypes
Default	Disable
Tab|Panel	Behavior|General
Description	The value of ospfAdvRtrCapability specifies the OSPF advertise router capabilities.
Enumerated types	
Area	

(1 of 2)

Name	Value
As	
Disable	
Link	

(2 of 2)

Table 140-4 Advertise Tunnel Links Enabled

Name	Value
Displayed name	Advertise Tunnel Links Enabled
OSS name	advertiseTunnelLink
Type	BOOL
Default	false
Tab|Panel	Behavior|OSPFv2
Description	The value of tmnxOspfAdvertiseTunnelLink indicates whether advertisement of LSP shortcuts into IGP has been enabled or disabled for OSPF. When the value of tmnxOspfAdvertiseTunnelLink is set to true LSP shortcut advertisement into IGP is enabled and when tmnxOspfAdvertiseTunnelLink is set to false LSP shortcut advertisement into IGP is disabled.

Table 140-5 Area Border Router

Name	Value
Displayed name	Area Border Router
OSS name	isAreaBorderRouter
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Type

Table 140-6 AS-Scope Checksum Sum

Name	Value
Displayed name	AS-Scope Checksum Sum
OSS name	asScopeLsaChecksumSum
Type	LONG
Default	0
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	Behavior|Link State Advertisements

(2 of 2)

Table 140-7 AS-Scope Count

Name	Value
Displayed name	AS-Scope Count
OSS name	asScopeLsaCount
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Behavior|Link State Advertisements

Table 140-8 Autonomous System Border Router

Name	Value
Displayed name	Autonomous System Border Router
OSS name	isAutonomousSystemBorderRouter
Type	BOOL
Default	false
Tab|Panel	General|Type

Table 140-9 Average Run Time

Name	Value
Displayed name	Average Run Time
OSS name	averageSpfRunTime
Type	INT
Minimum	0
Maximum	2147483647
Default	0
Units	1/100 s
Read-only	yes
Tab|Panel	Dijkstra|Statistics

Table 140-10 Backbone Router

Name	Value
Displayed name	Backbone Router
OSS name	isBackBoneRouter
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Type

Table 140-11 Boot Overload Enabled

Name	Value
Displayed name	Boot Overload Enabled
OSS name	bootOverloadAdmininstrativeState
Type	INT
Default	disabled
Tab|Panel	Overload|General

Table 140-12 Boot Overload Interval

Name	Value
Displayed name	Boot Overload Interval
OSS name	bootOverloadInterval
Type	INT
Minimum	0
Maximum	1800
Default	0
Units	seconds
Tab|Panel	Overload|General

Table 140-13 Domain ID

Name	Value
Displayed name	Domain ID
OSS name	domainId

(1 of 2)

Name	Value
Type	INT
Minimum	-1
Maximum	31
Default	-1
Tab|Panel	General|Autonomous System Border Router
Description	specifies the domain-id associated with this instance of OSPF on the router. If no value is specified for tmnxOspfAsbrDomainId, it is set to -1

(2 of 2)

Table 140-14 Enable LDP Synchronization

Name	Value
Displayed name	Enable LDP Synchronization
OSS name	enableLdpSync
Type	BOOL
Default	true
Tab|Panel	Behavior|General
Description	specifies whether the IGP-LDP synchronization feature is enabled or disabled on all interfaces participating in the OSPF routing protocol

Table 140-15 Exit Overflow Interval

Name	Value
Displayed name	Exit Overflow Interval
OSS name	exitOverflowInterval
Type	INT
Minimum	0
Maximum	2147483647
Default	0
Tab|Panel	Behavior|Overflow Control

Table 140-16 Export Limit

Name	Value
Displayed name	Export Limit
OSS name	exportLimit
Type	LONG

(1 of 2)

Name	Value
Minimum	0
Maximum	4294967295
Default	0
Tab|Panel	Behavior|General
Description	The value of tmnxOspfExportLimit specifies the maximum number of routes or prefixes that can be exported into OSPF or OSPF3 from the route table. A value of 0 indicates that the export limit for routes or prefixes has been disabled.

(2 of 2)

Table 140-17 Export Limit Log Percent

Name	Value
Displayed name	Export Limit Log Percent
OSS name	exportLimitLogPercent
Type	INT
Minimum	0
Maximum	100
Default	0
Tab|Panel	Behavior|General
Description	The value of tmnxOspfExportLimitLogPercent specifies the percentage of the export-limit, at which a warning log message and SNMP notification would be sent. This would only be a warning and additional routes will be learned up to 100% of tmnxOspfExportLimit. A value of 0 indicates that tmnxOspfExportLimitLogPercent is disabled and no log message or SNMP notification would be sent.

Table 140-18 External

Name	Value
Displayed name	External
OSS name	externalPreference
Type	INT
Minimum	1
Maximum	255
Default	150
Tab|Panel	Behavior|Route Preferences

Table 140-19 External LSA Limit

Name	Value
Displayed name	External LSA Limit
OSS name	externalLsdbLimit
Type	INT
Minimum	-1
Maximum	2147483647
Default	-1
Tab|Panel	Behavior|Overflow Control

Table 140-20 External (LS Type 5) Checksum Sum

Name	Value
Displayed name	External (LS Type 5) Checksum Sum
OSS name	externalLsaChecksumSum
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Behavior|Link State Advertisements

Table 140-21 External (LS Type 5) Count

Name	Value
Displayed name	External (LS Type 5) Count
OSS name	externalLsaCount
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Behavior|Link State Advertisements

Table 140-22 Graceful Restart

Name	Value
Displayed name	Graceful Restart
OSS name	gracefulRestart

(1 of 2)

Name	Value
Type	generic.TruthValue
Tab|Panel	Graceful Restart|General

(2 of 2)

Table 140-23 Helper Mode

Name	Value
Displayed name	Helper Mode
OSS name	grHelperMode
Type	generic.TruthValue
Tab|Panel	Graceful Restart|General

Table 140-24 Ignore DN Bit

Name	Value
Displayed name	Ignore DN Bit
OSS name	ignoreDNBit
Type	BOOL
Default	false
Tab|Panel	Behavior|General
Description	Specifies whether to ignore the DN bit for OSPF LSA packets for this instance of OSPF on the router. When ignoreDNBit has a value of 'true' the DN bit for OSPF LSA packets will be ignored. When it has a value of 'false' the DN bit will not be ignored for OSPF LSA packets.

Table 140-25 Incremental External Run Count

Name	Value
Displayed name	Incremental External Run Count
OSS name	incrementalExternalSpfRunCount
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Dijkstra|Statistics

Table 140-26 Incremental Internal Run Count

Name	Value
Displayed name	Incremental Internal Run Count
OSS name	incrementalInternalSpfRunCount
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Dijkstra|Statistics

Table 140-27 Incremental SPF Wait

Name	Value
Displayed name	Incremental SPF Wait
OSS name	incrSpfWait
Type	INT
Minimum	0
Maximum	1000
Default	1000
Units	milliseconds
Tab|Panel	Dijkstra|Configuration
Description	The value of incrSpfWait defines the internal OSPF delay before an incremental SPF calculation is performed.

Table 140-28 Initial Wait

Name	Value
Displayed name	Initial Wait
OSS name	IsaGenerateInitialWait
Type	INT
Minimum	10
Maximum	600000
Default	5000
Units	milliseconds
Tab|Panel	Dijkstra|Configuration

Table 140-29 Initial Wait

Name	Value
Displayed name	Initial Wait
OSS name	spfInitialWait
Type	INT
Minimum	10
Maximum	100000
Default	1000
Units	milliseconds
Tab|Panel	Dijkstra|Configuration

Table 140-30 Instance ID

Name	Value
Displayed name	Instance ID
OSS name	instanceIndex
Type	LONG
Minimum	0
Maximum	95
Default	0
Tab|Panel	General|OSPF Instance
Description	Identifies a specific instance of a version of the OSPF protocol running in the router instance specified by the routerId.

Table 140-31 Interface Base Reference Cost

Name	Value
Displayed name	Interface Base Reference Cost
OSS name	ifBaseRefCost
Type	LONG
Minimum	1
Maximum	100000000
Default	100000000
Units	Kb/s
Tab|Panel	Behavior|Interface Base Reference Cost

Table 140-32 Internal

Name	Value
Displayed name	Internal
OSS name	internalPreference
Type	INT
Minimum	1
Maximum	255
Default	10
Tab|Panel	Behavior|Route Preferences

Table 140-33 Last Overload Entered Code

Name	Value
Displayed name	Last Overload Entered Code
OSS name	overloadLastEnterCode
Type	INT
Default	none
Read-only	yes
Tab|Panel	Overload|General

Table 140-34 Last Overload Entered Time

Name	Value
Displayed name	Last Overload Entered Time
OSS name	overloadLastEnteredTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	Overload|General

Table 140-35 Last Overload Exit Code

Name	Value
Displayed name	Last Overload Exit Code
OSS name	overloadLastExitCode

(1 of 2)

Name	Value
Type	INT
Default	none
Read-only	yes
Tab|Panel	Overload|General

(2 of 2)

Table 140-36 Last Overload Exit Time

Name	Value
Displayed name	Last Overload Exit Time
OSS name	overloadLastExitTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	Overload|General

Table 140-37 Last Time Enabled

Name	Value
Displayed name	Last Time Enabled
OSS name	lastEnabledTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|State

Table 140-38 Last Time Full SPF LFA Ran

Name	Value
Displayed name	Last Time Full SPF LFA Ran
OSS name	lastLfaRunTime
Type	DATE
Read-only	yes
Tab|Panel	Dijkstra|Statistics
Description	The value of lastLfaRunTime indicates the time at which the system last performed a LFA SPF run.

Table 140-39 Last Time Full SPF Ran

Name	Value
Displayed name	Last Time Full SPF Ran
OSS name	lastFullSpfRunTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	Dijkstra|Statistics

Table 140-40 Last Time Ran

Name	Value
Displayed name	Last Time Ran
OSS name	lastExternalSpfRunTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	Dijkstra|Statistics

Table 140-41 LDP Over RSVP Include

Name	Value
Displayed name	LDP Over RSVP Include
OSS name	ldpOverRsvp
Type	BOOL
Default	false
Tab|Panel	Behavior|OSPFv2
Description	The value of tmnxOspfLdpOverRsvp specifies whether LDP-over-RSVP feature is enabled or disabled for a specific OSPF instance. When enabled, OSPF will select the endpoint that is closest to the destination for further selection of LDP-over-RSVP tunnels to that endpoint.

Table 140-42 Loop-free Alternate

Name	Value
Displayed name	Loop-free Alternate
OSS name	loopfreeAlternate

(1 of 2)

Name	Value
Type	BOOL
Default	false
Tab|Panel	Behavior|General
Description	The value of loopfreeAlternate specifies whether to enable or disable IP fast re-route capability for OSPF.

(2 of 2)

Table 140-43 LSA Accumulate

Name	Value
Displayed name	LSA Accumulate
OSS name	lsaAccumulate
Type	INT
Minimum	0
Maximum	1000
Default	1000
Units	milliseconds
Tab|Panel	Dijkstra|Configuration
Description	The value of lsaAccumulate defines the accumulation delay for multiple LSA's.

Table 140-44 LSA Arrival Wait

Name	Value
Displayed name	LSA Arrival Wait
OSS name	lsaArrivalWait
Type	INT
Minimum	0
Maximum	600000
Default	1000
Units	milliseconds
Tab|Panel	Dijkstra|Configuration

Table 140-45 LSA Generate Max Wait

Name	Value
Displayed name	LSA Generate Max Wait

(1 of 2)

Name	Value
OSS name	IsaGenerateMaxWait
Type	INT
Minimum	10
Maximum	600000
Default	5000
Units	milliseconds
Tab|Panel	Dijkstra|Configuration

(2 of 2)

Table 140-46 LSDB Overflow State

Name	Value
Displayed name	LSDB Overflow State
OSS name	isInOverflowState
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	Behavior|Overflow Control

Table 140-47 Maximum Run Time

Name	Value
Displayed name	Maximum Run Time
OSS name	maximumSpfRunTime
Type	INT
Minimum	0
Maximum	2147483647
Default	0
Units	1/100 s
Read-only	yes
Tab|Panel	Dijkstra|Statistics

Table 140-48 Minimum Run Time

Name	Value
Displayed name	Minimum Run Time

(1 of 2)

Name	Value
OSS name	minimumSpfRunTime
Type	INT
Minimum	0
Maximum	2147483647
Default	0
Units	1/100 s
Read-only	yes
Tab|Panel	Dijkstra|Statistics

(2 of 2)

Table 140-49 Most Recent Full SPF Run Time

Name	Value
Displayed name	Most Recent Full SPF Run Time
OSS name	mostRecentFullSpfRunTime
Type	INT
Minimum	0
Maximum	2147483647
Default	0
Units	1/100 s
Read-only	yes
Tab|Panel	Dijkstra|Statistics

Table 140-50 Most Recent Run Time

Name	Value
Displayed name	Most Recent Run Time
OSS name	mostRecentExternalSpfRunTime
Type	INT
Minimum	0
Maximum	2147483647
Default	0
Units	1/100 s
Read-only	yes
Tab|Panel	Dijkstra|Statistics

Table 140-51 Multicast Import

Name	Value
Displayed name	Multicast Import
OSS name	multicastImport
Type	BOOL
Default	false
Tab|Panel	Behavior|General

Table 140-52 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Routing Instance

Table 140-53 Number of Full LFA Runs

Name	Value
Displayed name	Number of Full LFA Runs
OSS name	fullLfaRunCount
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Dijkstra|Statistics
Description	The value of fullLfaRunCount indicates the total number of times that complete LFA SPF has been run on the router since OSPF was last enabled.

Table 140-54 Number Of Full SPF Runs

Name	Value
Displayed name	Number Of Full SPF Runs
OSS name	fullSpfRunCount
Type	LONG

(1 of 2)

Name	Value
Default	0
Read-only	yes
Tab|Panel	Dijkstra|Statistics

(2 of 2)

Table 140-55 Number Of Runs

Name	Value
Displayed name	Number Of Runs
OSS name	spfRunCount
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Dijkstra|Statistics

Table 140-56 Opaque LSA Support

Name	Value
Displayed name	Opaque LSA Support
OSS name	opaqueLsaSupport
Type	generic.TruthValue
Tab|Panel	Behavior|OSPFv2

Table 140-57 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	ospf.OperationalState
Default	unknown
Read-only	yes
Tab|Panel	General|State

Table 140-58 OSPF Operational Router ID

Name	Value
Displayed name	OSPF Operational Router ID
OSS name	ospfOperRouterId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|OSPF Instance
Description	identifies uniquely the router in the Autonomous System. The default OSPF instance will use the value specified by tmnxOspfRouterId or as one of the router's IPv4 host addresses. For the non-default instances of OSPF, this is the same value as tmnxOspfRouterId (where the default is invalid), which must be specified before the OSPF instance can become operational.

Table 140-59 OSPF Router ID

Name	Value
Displayed name	OSPF Router ID
OSS name	ospfRouterId
Type	INETADDR
Default	0.0.0.0
Tab|Panel	General|OSPF Instance
Description	identifies uniquely the router in the Autonomous System. By default it assumes the value of one of the router's IPv4 host addresses, if IPv4 is configured on the router.

Table 140-60 Overload Enabled

Name	Value
Displayed name	Overload Enabled
OSS name	overloadAdmininstrativeState
Type	BOOL
Default	false
Tab|Panel	Overload|General

Table 140-61 Overload External Metric-Type 2

Name	Value
Displayed name	Overload External Metric-Type 2
OSS name	overloadExt2
Type	BOOL
Default	false
Tab|Panel	Overload|General
Description	The value of overloadExt2 specifies if the OSPF external prefixes with metric-type 2, should be advertised with a maximum metric value when the system goes into overload state for any reason. If the value is 'true', the system uses the maximum metric value

Table 140-62 Overload Interval

Name	Value
Displayed name	Overload Interval
OSS name	overloadInterval
Type	INT
Minimum	0
Maximum	1800
Default	0
Units	seconds
Tab|Panel	Overload|General

Table 140-63 Overload State

Name	Value
Displayed name	Overload State
OSS name	overloadOperationalState
Type	INT
Default	noOverload
Read-only	yes
Tab|Panel	Overload|General

Table 140-64 Overload Stubs

Name	Value
Displayed name	Overload Stubs
OSS name	overloadStubs
Type	BOOL
Default	false
Tab|Panel	Behavior|General

Table 140-65 Redistribute Delay

Name	Value
Displayed name	Redistribute Delay
OSS name	redistDelay
Type	INT
Minimum	0
Maximum	1000
Default	1000
Units	milliseconds
Tab|Panel	Dijkstra|Configuration
Description	The value of redistDelay defines the internal OSPF hold down timer for external routes being redistributed into OSPF.

Table 140-66 RFC1583 Compatible

Name	Value
Displayed name	RFC1583 Compatible
OSS name	isRFC1583Compatible
Type	BOOL
Default	true
Tab|Panel	Behavior|OSPFv2

Table 140-67 Routing Instance ID

Name	Value
Displayed name	Routing Instance ID
OSS name	routerId

(1 of 2)

Name	Value
Type	INT
Minimum	1
Maximum	10240
Default	1
Read-only	yes
Tab|Panel	General|Routing Instance

(2 of 2)

Table 140-68 Routing Instance Name

Name	Value
Displayed name	Routing Instance Name
OSS name	routerName
Type	STRING
Minimum	0
Maximum	32
Read-only	yes
Tab|Panel	General|Routing Instance

Table 140-69 RSVP Shortcut Enabled

Name	Value
Displayed name	RSVP Shortcut Enabled
OSS name	rsvpShortcut
Type	BOOL
Default	false
Tab|Panel	Behavior|OSPFv2
Description	The value of tmnxOspfRsvpShortcut indicates whether RSVP-TE shortcut for resolving IGP routes has been enabled or disabled for OSPF. When the value of tmnxOspfRsvpShortcut is set to true RSVP-TE shortcut is enabled and when tmnxOspfRsvpShortcut is set to false RSVP-TE shortcut is disabled for OSPF.

Table 140-70 Second Wait

Name	Value
Displayed name	Second Wait
OSS name	IsaGenerateSecondWait

(1 of 2)

Name	Value
Type	INT
Minimum	10
Maximum	600000
Default	5000
Units	milliseconds
Tab|Panel	Dijkstra|Configuration

(2 of 2)

Table 140-71 Second Wait

Name	Value
Displayed name	Second Wait
OSS name	spfSecondWait
Type	INT
Minimum	10
Maximum	100000
Default	1000
Units	milliseconds
Tab|Panel	Dijkstra|Configuration

Table 140-72 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 140-73 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName

(1 of 2)

Name	Value
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

(2 of 2)

Table 140-74 SPF Max Wait

Name	Value
Displayed name	SPF Max Wait
OSS name	spfMaxWait
Type	INT
Minimum	10
Maximum	120000
Default	10000
Units	milliseconds
Tab|Panel	Dijkstra|Configuration

Table 140-75 Stub Router Support

Name	Value
Displayed name	Stub Router Support
OSS name	stubRouterSupport
Type	BOOL
Default	true
Read-only	yes
Tab|Panel	General|Type

Table 140-76 Super-Backbone

Name	Value
Displayed name	Super-Backbone
OSS name	superBackBone
Type	generic.TruthValue
Tab|Panel	OSPF Super-Backbone|General

(1 of 2)

Name	Value
Description	The value of tmnxOspfSuperBackBone specifies whether CE-PE functionality is required or not. tmnxOspfSuperBackBone indicates the type of the LSA generated as a result of routes redistributed into OSPF. When the value is set to 'true' the redistributed routes are injected as summary, external or NSSA LSAs. When the value is set to 'false' the redistributed routes are injected as either external or NSSA LSAs only.

(2 of 2)

Table 140-77 Suppress DN Bit

Name	Value
Displayed name	Suppress DN Bit
OSS name	suppressDNBit
Type	BOOL
Default	false
Tab|Panel	Behavior|General
Description	specifies whether to suppress the setting of the DN bit for OSPF LSA packets generated by this instance of OSPF on the router. When suppressDNBit has a value of 'true' the DN bit for OSPF LSA packets generated by this instance of the OSPF router will not be set. When it has a value of 'false' this instance of the OSPF router will follow the normal procedure to determine whether to set the DN bit.

Table 140-78 Time Entered

Name	Value
Displayed name	Time Entered
OSS name	lastOverflowEnteredTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	Behavior|Overflow Control

Table 140-79 Time of Exit

Name	Value
Displayed name	Time of Exit
OSS name	lastOverflowExitTime
Type	DATE
Default	0
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	Behavior|Overflow Control

(2 of 2)

Table 140-80 Total Exported Routes

Name	Value
Displayed name	Total Exported Routes
OSS name	exportedRoutes
Type	LONG
Tab|Panel	Behavior|General
Description	The value of tmnxOspfTotalExportedRoutes indicates the total number of routes exported into OSPF from the route table manager when an export policy is configured. Value of tmnxOspfTotalExportedRoutes would be 0 when no export policy is configured.

Table 140-81 Traffic Engineering Support

Name	Value
Displayed name	Traffic Engineering Support
OSS name	trafficEngineeringSupport
Type	generic.TruthValue
Tab|Panel	Behavior|General

Table 140-82 Unicast Import

Name	Value
Displayed name	Unicast Import
OSS name	unicastImport
Type	BOOL
Default	true
Tab|Panel	Behavior|General

Table 140-83 Unknown AS-Scope Checksum Sum

Name	Value
Displayed name	Unknown AS-Scope Checksum Sum

(1 of 2)

Name	Value
OSS name	unknownLsaChecksumSum
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Behavior|Link State Advertisements

(2 of 2)

Table 140-84 Unknown AS-Scope Count

Name	Value
Displayed name	Unknown AS-Scope Count
OSS name	unknownLsaCount
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Behavior|Link State Advertisements

Table 140-85 Version

Name	Value
Displayed name	Version
OSS name	version
Type	ospf.ProtocolVersionEnum
Mandatory on creation	yes
Tab|Panel	General|OSPF Instance

Table 140-86 VPN Domain ID

Name	Value
Displayed name	VPN Domain ID
OSS name	vpnDomainId
Type	STRING
Minimum	0
Maximum	14
Default	0000.0000.0000
Units	hex

(1 of 2)

Name	Value
Tab|Panel	OSPF Super-Backbone|General
Description	The value of tmnxOspfVpnDomainId specifies the OSPF VPN Domain. This is exchanged using BGP in the extended community attribute associated with a prefix. This object applies to VPRN instances of OSPF only. An attempt to modify the value of this object will result in an 'inconsistentValue' error when the vRtrID index for this row entry is not a VPRN instance.

(2 of 2)

Table 140-87 VPN Domain Type

Name	Value
Displayed name	VPN Domain Type
OSS name	vpnDomainType
Type	ospf.VpnDomainTypes
Default	None
Tab|Panel	OSPF Super-Backbone|General
Description	The value of tmnxOspfVpnDomainType specifies type of the extended community attribute exchanged using BGP to carry the OSPF VPN Domain ID. This object applies to VPRN instances of OSPF only. An attempt to modify the value of this object will result in an 'inconsistentValue' error when the vRtrID index for this row entry is not a VPRN instance.
Enumerated types	
None	
0005	
0105	
0205	
8005	

Table 140-88 VPN Tag

Name	Value
Displayed name	VPN Tag
OSS name	vpnTag
Type	LONG
Minimum	0
Maximum	4294967295
Default	0
Tab|Panel	OSPF Super-Backbone|General

(1 of 2)

Name	Value
Description	The value of tmnxOspfVpnTag specifies the route tag for an OSPF VPN on a PE router. This field is set in the tag field of the OSPF external LSAs generated by the PE. This is mainly used to prevent routing loops. This object applies to VPRN instances of OSPF only. An attempt to modify the value of this object will result in an 'inconsistentValue' error when the vRtrID index for this row entry is not a VPRN instance

(2 of 2)

141 —OTS Trail

Table 141-1 OTS Trail parameters

Parameters	
Administrative State	Path Preference
A to Z	Protection Level
Bidirectional	Protection Type
Connection Type	Rate
Customer	Trail ID
Force Create OCh XC	Trail Name
Operational State	Z to A

Table 141-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	optical.ConnectionAdminState
Default	Up
Mandatory on creation	yes
Tab|Panel	General|States
Description	The administrative state of the connection.
Enumerated types	
Automatic In-Service	

(1 of 2)

Name	Value
Blocking	
Down	
Maintenance	
Partially Down	
Standby/Backup	
Unknown	
Up	

(2 of 2)

Table 141-3 A to Z

Name	Value
Displayed name	A to Z
OSS name	activePathAZ
Type	optical.ProtectionState
Tab|Panel	General|Active Path
Description	Indicates which trail path is the active one in the AZ direction.
Enumerated types	
Unprotected	
Protection	
Working	

Table 141-4 Bidirectional

Name	Value
Displayed name	Bidirectional
OSS name	biDirectional
Type	BOOL
Default	true
Tab|Panel	General|General
Description	Indicates if this connection is a unidirectional or bidirectional connection.

Table 141-5 Connection Type

Name	Value
Displayed name	Connection Type

(1 of 2)

Name	Value
OSS name	connectionType
Type	optical.ConnectionType
Mandatory on creation	yes
Tab|Panel	General|General
Description	Type of connection.
Enumerated types	
Multipoint Service Path	
OCh CrossConnect	
OCH Trail	
OCH Trail Path	
ODUk CrossConnect	
ODU Trail	
ODU Trail Path	
OT CrossConnect	
OTS Trail	
OTS Trail Path	
OTU Trail	
OTU Trail Path	
Port Trail	
Transport Service	
Service Path	
Virtual ODUk Cross Connect	
VTS CrossConnect	

(2 of 2)

Table 141-6 Customer

Name	Value
Displayed name	Customer
OSS name	subscriberPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General

Table 141-7 Force Create OCh XC

Name	Value
Displayed name	Force Create OCh XC
OSS name	forceXcCreate
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Indicates whether the OCH XC should be created by force when power commissioning provisioning state is "InProgress".

Table 141-8 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	optical.ConnectionOperState
Tab|Panel	General|States
Description	The operational state of the connection.
Enumerated types	
Down	
Partially Down	
Unknown	
Up	

Table 141-9 Path Preference

Name	Value
Displayed name	Path Preference
OSS name	modifyProtectionPreference
Type	optical.ModifyProtectionPreference
Default	None
Tab|Panel	General|General
Description	Indicates whether the working path or the protection path needs to be retained when Trail protection is modified to unprotected
Enumerated types	
None	
Retain Protection Path	

(1 of 2)

Name	Value
Retain Working Path	

(2 of 2)

Table 141-10 Protection Level

Name	Value
Displayed name	Protection Level
OSS name	protectionLevel
Type	optical.ProtectionLevel
Default	Unprotected
Mandatory on creation	yes
Tab|Panel	General|General
Description	The calculated level of protection based on the underlying server OTN layers.
Enumerated types	
Protected	
Segment Protected	
Unprotected	

Table 141-11 Protection Type

Name	Value
Displayed name	Protection Type
OSS name	protection
Type	optical.TrailProtectionType
Default	Unprotected
Tab|Panel	General|General
Description	Protection type of the trail.
Enumerated types	
Diverse Route	
OPS Protected	
Segment Protected	
SNCI Protected	
SNCN Protected	
SNCNC Protected	
Unprotected	
Y-Cable Protected	

Table 141-12 Rate

Name	Value
Displayed name	Rate
OSS name	rate
Type	optical.AssignedRate
Mandatory on creation	yes
Tab|Panel	General|General
Description	Indicates the rate of the trail.
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	

(1 of 2)

Name	Value
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(2 of 2)

Table 141-13 Trail ID

Name	Value
Displayed name	Trail ID
OSS name	connId
Type	LONG
Minimum	1
Maximum	2147483647
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	Unique id for the Connection.

Table 141-14 Trail Name

Name	Value
Displayed name	Trail Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	256
Tab|Panel	General|General
Description	Displayed name of the Connection.

Table 141-15 Z to A

Name	Value
Displayed name	Z to A
OSS name	activePathZA
Type	optical.ProtectionState
Tab|Panel	General|Active Path
Description	Indicates which trail path is the active one in the ZA direction.
Enumerated types	
Unprotected	
Protection	
Working	

142 —OtuCtp

Table 142-1 OtuCtp parameters

Parameters	
Assigned Rate	Name
Ctp ID	Site ID
Layer Type	Site Name

Table 142-2 Assigned Rate

Name	Value
Displayed name	Assigned Rate
OSS name	assignedRate
Type	optical.AssignedRate
Tab|Panel	General|General
Description	The assigned rate - OTU1, GigE, OC3…
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	

(1 of 3)

Name	Value
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	

(2 of 3)

Name	Value
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 142-3 Ctp ID

Name	Value
Displayed name	Ctp ID
OSS name	ctpId
Type	INT
Minimum	1
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the Ctp.

Table 142-4 Layer Type

Name	Value
Displayed name	Layer Type
OSS name	layerType
Type	optical.LayerType
Tab|Panel	General|General
Description	The layer type - OCH, OTU, ODU, Electrical…
Enumerated types	
Client	
Ethernet	
High Order ODU	
Low Order ODU	
OCH	
ODU	
OTU	

Table 142-5 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 142-6 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 142-7 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

143 —OTUk

Table 143-1 OTUk parameters

Parameters	
Administrative State	OTU Rate
AINS Countdown	OTU Transmitted TTI
AINS State	OTU TTI Comparison
AINS Timer	OTU TTI Mismatch Response
Assigned Rate	OTU TTI Status
Ctp ID	Post-FEC BER
FEC Mode	Pre-FEC BER
Layer Type	Site ID
Name	Site ID
Operational Capability	Site Name
Operational State	Site Name
OTU Expected TTI	State Qualifier
OTU Incoming TTI	Use System AINS Timer

Table 143-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	optical.XcState
Default	Unknown
Tab|Panel	States|General

(1 of 2)

Name	Value
Description	Administrative state of the interface. It may be used to suppress the alarms or disable consequent actions on the entity.
Enumerated types	
Down	
Unknown	
Up	

(2 of 2)

Table 143-3 AINS Countdown

Name	Value
Displayed name	AINS Countdown
OSS name	ainsDebounceTimeRemaining
Type	STRING
Units	HH:MM
Read-only	yes
Tab|Panel	States|AINS
Description	Number of seconds until the OTUk AINS DebounceTime expires. If OTUk AINS is false or OTUk AINS Debounce Time is 0, the value of this attribute will be 0.

Table 143-4 AINS State

Name	Value
Displayed name	AINS State
OSS name	ainsState
Type	BOOL
Default	false
Tab|Panel	States|AINS
Description	AINS state of the interface.

Table 143-5 AINS Timer

Name	Value
Displayed name	AINS Timer
OSS name	ainsDebounceTime
Type	STRING
Units	HH:MM

(1 of 2)

Name	Value
Tab|Panel	States|AINS
Description	This attribute must be set in multiples of 60s. It is equal to System AINS Debounce Time when OTUk AINS Use System Default is true. Setting the OTUk AINS Debounce Time and OTUk AINS Use System Default to true in the same set request is restricted. Current configurable range: 1m to 96h 0m.

(2 of 2)

Table 143-6 Assigned Rate

Name	Value
Displayed name	Assigned Rate
OSS name	assignedRate
Type	optical.AssignedRate
Tab|Panel	General|General
Description	The assigned rate - OTU1, GigE, OC3…
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	

(1 of 3)

Name	Value
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	

(2 of 3)

Name	Value
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 143-7 Ctp ID

Name	Value
Displayed name	Ctp ID
OSS name	ctpId
Type	INT
Minimum	1
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the Ctp.

Table 143-8 FEC Mode

Name	Value
Displayed name	FEC Mode
OSS name	fecMode
Type	optical.FecMode
Default	Unknown
Tab|Panel	General|General
Description	Specifies what type of Forward Error Correction (FEC) has been enabled on the port.
Enumerated types	
AFEC	
EFEC	
EFEC2	
RSFEC	
No FEC	
SDFEC	
UFEC	

(1 of 2)

Name	Value
Unknown	

(2 of 2)

Table 143-9 Layer Type

Name	Value
Displayed name	Layer Type
OSS name	layerType
Type	optical.LayerType
Tab|Panel	General|General
Description	The layer type - OCH, OTU, ODU, Electrical…
Enumerated types	
Client	
Ethernet	
High Order ODU	
Low Order ODU	
OCH	
ODU	
OTU	

Table 143-10 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 143-11 Operational Capability

Name	Value
Displayed name	Operational Capability
OSS name	operationalCapability
Type	optical.OperationalCapability

(1 of 2)

Name	Value
Default	Disabled
Read-only	yes
Tab|Panel	States|General
Enumerated types	
Disabled	
Enabled	
Partially Enabled	

(2 of 2)

Table 143-12 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	optical.XcState
Default	Unknown
Read-only	yes
Tab|Panel	States|General
Description	Operational state of the interface.
Enumerated types	
Down	
Unknown	
Up	

Table 143-13 OTU Expected TTI

Name	Value
Displayed name	OTU Expected TTI
OSS name	exTti
Type	STRING
Minimum	0
Maximum	15
Tab|Panel	General|TTI
Description	OTU Expected TTI.

Table 143-14 OTU Incoming TTI

Name	Value
Displayed name	OTU Incoming TTI
OSS name	incomingTti
Type	STRING
Read-only	yes
Tab|Panel	General|TTI
Description	OTU incoming TTI.

Table 143-15 OTU Rate

Name	Value
Displayed name	OTU Rate
OSS name	rate
Type	optical.OtuRate
Units	Gbps
Read-only	yes
Tab|Panel	General|General
Description	Otuk Rate displayed as a numeric value. Example : 10.709
Enumerated types	
10.709	
10.714	
111.810	
11.049	
11.096	
11.27	
11.317	
129.280	
2.66	
43.018	
44.58	
4.55	

Table 143-16 OTU Transmitted TTI

Name	Value
Displayed name	OTU Transmitted TTI
OSS name	txTti
Type	STRING
Minimum	0
Maximum	15
Tab|Panel	General|TTI
Description	OTU Transmitted TTI.

Table 143-17 OTU TTI Comparison

Name	Value
Displayed name	OTU TTI Comparison
OSS name	timDetMode
Type	optical.TimDetectionMode
Tab|Panel	General|TTI
Description	OTU TIM detection mode.
Enumerated types	
Disabled	
Enabled	
Unknown	

Table 143-18 OTU TTI Mismatch Response

Name	Value
Displayed name	OTU TTI Mismatch Response
OSS name	timActEnabled
Type	BOOL
Tab|Panel	General|TTI
Description	OTU TIM consequence action.

Table 143-19 OTU TTI Status

Name	Value
Displayed name	OTU TTI Status
OSS name	ttiStatus
Type	optical.TtiStatus
Read-only	yes
Tab|Panel	General|TTI
Description	OTU TTI status.
Enumerated types	
Mismatch	
Normal	
Unspecified	
Unavailable	

Table 143-20 Post-FEC BER

Name	Value
Displayed name	Post-FEC BER
OSS name	postFecBER
Type	STRING
Read-only	yes
Tab|Panel	General|General

Table 143-21 Pre-FEC BER

Name	Value
Displayed name	Pre-FEC BER
OSS name	preFecBER
Type	STRING
Read-only	yes
Tab|Panel	General|General

Table 143-22 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|General

Table 143-23 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 143-24 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 143-25 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING

(1 of 2)

Name	Value
Maximum	252
Read-only	yes
Tab|Panel	General|Site

(2 of 2)

Table 143-26 State Qualifier

Name	Value
Displayed name	State Qualifier
OSS name	stateQualifier
Type	optical.StateQualifier
Read-only	yes
Tab|Panel	States|General
Enumerated types	
AINS	
FAF	
FLT	
LOCKED	
MEA	
MT	
PORT RX FAULT	
PORT TX FAULT	
SDEE	
SGEO	
UAS	
UEQ	

Table 143-27 Use System AINS Timer

Name	Value
Displayed name	Use System AINS Timer
OSS name	usingSysAinsDebounceTime
Type	BOOL
Tab|Panel	States|AINS

(1 of 2)

Name	Value
Description	Using System AINS Debounce Time. Sets with a value of false are restricted. The network operator must set OTUk AINS Debounce Time to some valid value to disable the use of System AINS Debounce Time. Setting the OTUk AINS Debounce Time and OTUk AINS Use System Default to true in the same set request is restricted.

(2 of 2)

144 —OTU TCA Profile Assignment

Table 144-1 OTU TCA Profile Assignment parameters

Parameters	
Clear Bins Interval Number of Bins	Profile Type TCA Profile

Table 144-2 Clear Bins

Name	Value
Displayed name	Clear Bins
OSS name	clearBins
Type	optical.PerformCommand
Default	1
Tab|Panel	General|General
Description	This attribute is used to clear all the bins in an interval on a particular card and group.
Enumerated types	
Execute	
Execute with Force	
No Cmd	

Table 144-3 Interval

Name	Value
Displayed name	Interval
OSS name	interval
Type	optical.IntervalType
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The collection interval.
Enumerated types	
15 min Interval	
24 hour Interval	

Table 144-4 Number of Bins

Name	Value
Displayed name	Number of Bins
OSS name	noOfBins
Type	INT
Minimum	1
Maximum	33
Default	1
Tab|Panel	General|General
Description	The number of collection bins in the interval.

Table 144-5 Profile Type

Name	Value
Displayed name	Profile Type
OSS name	groupId
Type	netca.TCAProfileType
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The group identifier.
Enumerated types	

(1 of 2)

Name	Value
Card	
CD	
DGD	
Digital Wrapper	
E1	
Ethernet	
FOFF	
Interface	
ODURX	
ODUTX	
OPIN	
OPOUT	
OPR	
OPT	
OPOCHIN	
OPOCHOUT	
OSNR	
OTU	
Physical Code Sublayer	
Port	
PreFEC Bits	
SAP	
SDH	
SONET	
Two Way DM	
Two Way SLM	

(2 of 2)

Table 144-6 TCA Profile

Name	Value
Displayed name	TCA Profile
OSS name	tcaProfilePointer
Type	POINTER
Tab|Panel	General|Select Profile
Description	TCA Profile.

145 —OTU Trail

Table 145-1 OTU Trail parameters

Parameters	
Administrative State	OTU TTI Mismatch Response
A to Z	Path Preference
A-Z OTU Expected TTI	Protection Level
A-Z OTU Transmitted TTI	Protection Type
Bidirectional	Rate
Channel	Regen Response
Connection Type	Trail ID
Customer	Trail Name
FEC Mode	Wave Key Assign Mode
Force Create OCh XC	Z-A OTU Expected TTI
Operational State	Z-A OTU Transmitted TTI
OTU TTI Comparison	Z to A

Table 145-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	optical.ConnectionAdminState
Default	Up
Mandatory on creation	yes
Tab|Panel	General|States

(1 of 2)

Name	Value
Description	The administrative state of the connection.
Enumerated types	
Automatic In-Service	
Blocking	
Down	
Maintenance	
Partially Down	
Standby/Backup	
Unknown	
Up	

(2 of 2)

Table 145-3 A to Z

Name	Value
Displayed name	A to Z
OSS name	activePathAZ
Type	optical.ProtectionState
Tab|Panel	General|Active Path
Description	Indicates which trail path is the active one in the AZ direction.
Enumerated types	
Unprotected	
Protection	
Working	

Table 145-4 A-Z OTU Expected TTI

Name	Value
Displayed name	A-Z OTU Expected TTI
OSS name	otuExTtiAz
Type	STRING
Minimum	0
Maximum	64
Default	N/A
Tab|Panel	General|TTI Attributes
Description	OTU Expected TTI in the AZ direction.

Table 145-5 A-Z OTU Transmitted TTI

Name	Value
Displayed name	A-Z OTU Transmitted TTI
OSS name	otuTxTtiAz
Type	STRING
Minimum	0
Maximum	64
Default	N/A
Tab|Panel	General|TTI Attributes
Description	OTU Transmitted TTI in the AZ direction.

Table 145-6 Bidirectional

Name	Value
Displayed name	Bidirectional
OSS name	biDirectional
Type	BOOL
Default	true
Tab|Panel	General|General
Description	Indicates if this connection is a unidirectional or bidirectional connection.

Table 145-7 Channel

Name	Value
Displayed name	Channel
OSS name	channel
Type	optical.ITUChannel
Default	None
Mandatory on creation	yes
Tab|Panel	General|OCH
Description	ITU Channel number.
Enumerated types	
1310	
1471	
1490	
1491	

(1 of 7)

Name	Value
1511	
1530	
1531	
1550	
1551	
1571	
1591	
1611	
1625	
850	
8650	
8655	
8660	
8665	
8670	
8675	
8680	
8685	
8690	
8695	
8700	
8705	
8710	
8715	
8720	
8725	
8730	
8735	
8740	
8745	
8750	
8755	
8760	
8765	
8770	
8775	
8780	

(2 of 7)

Name	Value
8785	
8790	
8795	
8800	
8805	
8810	
8815	
8820	
8825	
8830	
8835	
8840	
8845	
8850	
8855	
8860	
8865	
8870	
8875	
8880	
8885	
8890	
8895	
8900	
8905	
8910	
8915	
8920	
8925	
8930	
8935	
8940	
8945	
8950	
8955	
8960	
8965	

(3 of 7)

Name	Value
8970	
8975	
8980	
8985	
8990	
8995	
9000	
9005	
9010	
9015	
9020	
9025	
9030	
9035	
9040	
9045	
9050	
9055	
9060	
9065	
9070	
9075	
9080	
9085	
9090	
9095	
9100	
9105	
9110	
9115	
9120	
9125	
9130	
9135	
9140	
9145	
9150	

(4 of 7)

Name	Value
9155	
9160	
9165	
9170	
9175	
9180	
9185	
9190	
9195	
9200	
9205	
9210	
9215	
9220	
9225	
9230	
9235	
9240	
9245	
9250	
9255	
9260	
9265	
9270	
9275	
9280	
9285	
9290	
9295	
9300	
9305	
9310	
9315	
9320	
9325	
9330	
9335	

(5 of 7)

Name	Value
9340	
9345	
9350	
9355	
9360	
9365	
9370	
9375	
9380	
9385	
9390	
9395	
9400	
9405	
9410	
9415	
9420	
9425	
9430	
9435	
9440	
9445	
9450	
9455	
9460	
9465	
9470	
9475	
9480	
9485	
9490	
9495	
9500	
9505	
9510	
9515	
9520	

(6 of 7)

Name	Value
9525	
9530	
9535	
9540	
9545	
9550	
9555	
9560	
9565	
9570	
9575	
9580	
9585	
9590	
9595	
9600	
9605	
None	

(7 of 7)

Table 145-8 Connection Type

Name	Value
Displayed name	Connection Type
OSS name	connectionType
Type	optical.ConnectionType
Mandatory on creation	yes
Tab|Panel	General|General
Description	Type of connection.
Enumerated types	
Multipoint Service Path	
OCh CrossConnect	
OCH Trail	
OCH Trail Path	
ODUk CrossConnect	
ODU Trail	
ODU Trail Path	

(1 of 2)

Name	Value
OT CrossConnect	
OTS Trail	
OTS Trail Path	
OTU Trail	
OTU Trail Path	
Port Trail	
Transport Service	
Service Path	
Virtual ODUk Cross Connect	
VTS CrossConnect	

(2 of 2)

Table 145-9 Customer

Name	Value
Displayed name	Customer
OSS name	subscriberPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General

Table 145-10 FEC Mode

Name	Value
Displayed name	FEC Mode
OSS name	otuFecMode
Type	optical.FecMode
Default	Unknown
Tab|Panel	General|TTI Attributes
Description	The OCh OTU FEC mode. Depending on the port rate this can be OTU1 FEC Mode/OTU2 FEC Mode/OTU3 FEC Mode/OTU4 FEC Mode.
Enumerated types	
AFEC	
EFEC	
EFEC2	
RSFEC	
No FEC	

(1 of 2)

Name	Value
SDFEC	
UFEC	
Unknown	

(2 of 2)

Table 145-11 Force Create OCh XC

Name	Value
Displayed name	Force Create OCh XC
OSS name	forceXcCreate
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Indicates whether the OCH XC should be created by force when power commissioning provisioning state is "InProgress".

Table 145-12 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	optical.ConnectionOperState
Tab|Panel	General|States
Description	The operational state of the connection.
Enumerated types	
Down	
Partially Down	
Unknown	
Up	

Table 145-13 OTU TTI Comparison

Name	Value
Displayed name	OTU TTI Comparison
OSS name	otuTimDetMode
Type	optical.TimDetectionMode

(1 of 2)

Name	Value
Default	Unknown
Tab|Panel	General|TTI Attributes
Description	OTU TIM detection mode.
Enumerated types	
Disabled	
Enabled	
Unknown	

(2 of 2)

Table 145-14 OTU TTI Mismatch Response

Name	Value
Displayed name	OTU TTI Mismatch Response
OSS name	otuTimConsAction
Type	optical.TimConsAction
Default	Unknown
Tab|Panel	General|TTI Attributes
Description	OTU TIM consequence action.
Enumerated types	
Disabled	
Enabled	
Unknown	

Table 145-15 Path Preference

Name	Value
Displayed name	Path Preference
OSS name	modifyProtectionPreference
Type	optical.ModifyProtectionPreference
Default	None
Tab|Panel	General|General
Description	Indicates whether the working path or the protection path needs to be retained when Trail protection is modified to unprotected
Enumerated types	
None	
Retain Protection Path	
Retain Working Path	

Table 145-16 Protection Level

Name	Value
Displayed name	Protection Level
OSS name	protectionLevel
Type	optical.ProtectionLevel
Default	Unprotected
Mandatory on creation	yes
Tab|Panel	General|General
Description	The calculated level of protection based on the underlying server OTN layers.
Enumerated types	
Protected	
Segment Protected	
Unprotected	

Table 145-17 Protection Type

Name	Value
Displayed name	Protection Type
OSS name	protection
Type	optical.TrailProtectionType
Default	Unprotected
Tab|Panel	General|General
Description	Protection type of the trail.
Enumerated types	
Diverse Route	
OPS Protected	
Segment Protected	
SNCI Protected	
SNCN Protected	
SNCNC Protected	
Unprotected	
Y-Cable Protected	

Table 145-18 Rate

Name	Value
Displayed name	Rate
OSS name	rate
Type	optical.AssignedRate
Mandatory on creation	yes
Tab|Panel	General|General
Description	Indicates the rate of the trail.
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	

(1 of 2)

Name	Value
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(2 of 2)

Table 145-19 Regen Response

Name	Value
Displayed name	Regen Response
OSS name	regenResponse
Type	optical.LosPropagation
Default	Unknown
Tab|Panel	General|TTI Attributes
Description	Regen Response.
Enumerated types	
LASER OFF	
LASER ON	
Unknown	

Table 145-20 Trail ID

Name	Value
Displayed name	Trail ID
OSS name	connId
Type	LONG
Minimum	1
Maximum	2147483647
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	Unique id for the Connection.

Table 145-21 Trail Name

Name	Value
Displayed name	Trail Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	256
Tab|Panel	General|General
Description	Displayed name of the Connection.

Table 145-22 Wave Key Assign Mode

Name	Value
Displayed name	Wave Key Assign Mode
OSS name	wavekeyAssignMode
Type	optical.WavekeySelect
Default	Auto Keying (NE)
Mandatory on creation	yes
Tab|Panel	General|OCH
Description	Wavekey generation mode.
Enumerated types	
Auto Keying (NE)	
Auto Keying (NMS)	
Unkeyed	

Table 145-23 Z-A OTU Expected TTI

Name	Value
Displayed name	Z-A OTU Expected TTI
OSS name	otuExTtiZa
Type	STRING
Minimum	0
Maximum	64
Default	N/A
Tab|Panel	General|TTI Attributes
Description	OTU Expected TTI in the ZA direction.

Table 145-24 Z-A OTU Transmitted TTI

Name	Value
Displayed name	Z-A OTU Transmitted TTI
OSS name	otuTxTtiZa
Type	STRING
Minimum	0
Maximum	64
Default	N/A
Tab|Panel	General|TTI Attributes

(1 of 2)

Name	Value
Description	OTU Transmitted TTI in the ZA direction.

(2 of 2)

Table 145-25 Z to A

Name	Value
Displayed name	Z to A
OSS name	activePathZA
Type	optical.ProtectionState
Tab|Panel	General|Active Path
Description	Indicates which trail path is the active one in the ZA direction.
Enumerated types	
Unprotected	
Protection	
Working	

146 —Physical Port

Table 146-1 Physical Port parameters

Parameters	
Access Weight	Automatic VLAN Binding
Access Weight	Auto Negotiation
Accounting Policy	Auto Tilt Adjustment Enabled
Accounting Policy	Auto Tilt Maintainence Mode Enabled
Actual Speed	Available Bandwidth
Actual Tilt	Available Egress Bandwidth
Actual Tilt	Available Ingress Bandwidth
Additional Operational State	Background Diagnostics Fault Reason
Add Path Wavelength Tracker Decoder Usage	Background Diagnostics State
Administrative State	Cable Delay Correction (ns)
Administrative State	Channel
AINS Countdown	Class
AINS Timer	Clear GMRE Topology Alarm
AIS Mode	CLEI
Allocated Adjustment Time	CLEI Code
Allowed Gain Delta	CLI Name
Allowed Gain Delta	Collect Accounting Statistics
APR Delay Enabled	Collect Accounting Statistics
APR Delay Enabled	Commissioning Completed
APR Disabled	Company ID
ASE Output Power	Compatibility Mode
ASE Output Power	Configured MAC
Assigned Rate	Connected From
Attenuation	Connected From
Auto Gain Adjustment Enabled	Connected From

(1 of 5)

Parameters	
Connected To	Expected Maximum Gain
Connected To	Expected Minimum Gain
Connected To	Expected Minimum Gain
Connected Type From	Expected Network Output Power
Connected Type To	Extra Data
Connection Retry Count	Facility Loopback
Connection Retry Interval	Factory ID
Connector Loss to Span	FC Mode
Container	FEC Mode
Containing Equipment Status	Fiber Type
Cost Metric	Fiber Type
CrossRegen Partner Port	Frequency
Current Key Info	Function
Date	Gain
DDM Event Suppression	Gain
Dead Interval	Gain
Default VLAN	Gain Tilt
Defect Holdoff Timer	Gain Tilt
Description	GCC Channel Status
Description	GCC MTU Size
DHCP IP Range	GCC Packet Type
DHCP Server Enabled	GCC Type
Direction	GFP CRC Framing
Direction	Hardware Class
Disable Port Automatically	Hardware MAC
Distribute Default Gateway via DHCP	HDSDI Rate
Drop Path Target Power	Hello Interval
Drop Path Wavelength Tracker Decoder Usage	Holding IGH
E1 Frame Format	Hold Time Down
Egress Percentage of Rate	Hold Time Units
Egress Pool Policy	Hold Time Up
Egress Timing Mode	HSMDA Egress Scheduler Policy
Embedded ODU Facility Type	Incoming J0
Encapsulation Mode	Incoming J0
Encapsulation Mode	Incoming J0
Encapsulation Type	Incoming J0 Status
Equipped	Incoming J0 Status
Errored Frame Drop Mode	Incoming J0 Status
Expected J0	Ingress Percentage of Rate
Expected J0	Ingress Pool Policy
Expected J0	Initial Loss
Expected Maximum Gain	Initial Target Gain

(2 of 5)

Parameters	
Input LOS Threshold	Mapping Mode
Input LOS Threshold Tolerance	Maximum Attenuation
Input Power	Maximum Flat Gain Offset
Input Power	Maximum Gain
Input to Output Gain	Max Power Gain
Input to Output Gain	MD5 Authentication Enabled
Input to Output Gain	MD5 Key
Interface Enabled	MD5 Key ID
Interface ID	Measured Network Output Power
Internal Port is Valid XC Endpoint	Minimum Attenuation
IP Address	Minimum Gain
Is Primary Member	Min Power Gain
J0 Format	Mnemonic
J0 Format	Mode
J0 Format	Module Temperature
J0 Trace Comparision Enabled	Module Temperature
J0 Trace Comparison	Monitored Port Connection Loss
J0 Trace Comparison	Monitored Port Tx
J0 Trace Mismatch Response	MTU
J0 Trace Mismatch Response Enabled	Multicast From
L2 Profile	Multicast To
L2Uplink	MW Link Name
LAG ID	Name
Laser Bias Current	Network Queue Policy Name
Laser Temperature	Network Weight
LBO	Network Weight
Line Code	Next Key Info
Line Impedance	Operational Mode
Link Integrity	Operational Mode
Link Trap	Operational Mode
Link Up	Operational Mode
Load Balance Algorithm	Operational State
LOS Mode	Operational State
LOS Propagation	Opposite Direction Port
LPT Consequent Action	Optical Transport Channel Unit
Manufacture Date	OSC Mode
Manufacturer	OSC MTU Size
Manufacturing Assembly No	OSPF Adjacency State
Manufacturing Deviations	OSPF Area ID
Manufacturing Variant	OSPF Area Index
Mapping Mode	OSPF Routing State
Mapping Mode	OTU Expected TTI

(3 of 5)

Parameters	
OTU Incoming RES	Provisioned Link Speed
OTU Incoming TTI	Proxy ARP
OTU Rate	Pulse Format
OTU Transmitted TTI	Pump 1 Power
OTU TTI Comparison	Pump 1 Power
OTU TTI Mismatch Response	Pump 2 Power
OTU TTI Status	Pump 2 Power
Outgoing Quality Level	Queue 1
Output LOS Threshold	Queue 2
Output LOS Threshold Tolerance	Queue 3
Output Power	Queue 4
Output VOA Setting	Queue 5
Output VOA Setting	Queue 6
Part Number	Queue 7
Per-Channel Input Power	Queue 8
Per-Channel Input Power Deviation	Reason Down
Per-Channel Output Power	Receive Frequency
Per-Channel Output Power	Receive Lane Powers
Per-Channel Output Power Deviation	Receive Power
Per-Channel Output Power Deviation	Receive Power
Physical State Change Count	Redistribute
Pluggable Module Temperature	Regen Response
Pluggable Module Type	Repair Margin
Port AINS	Repair Margin
Port Group	Router Priority
Port Role	Rx Decision Threshold Voltage Adjustment
Port Role	SA Bit
Port Scheduler Policy	Serial Number
Port TCA Profile	Serial Number
Port Usage	Serial Type
Post-Compensated Tilt Percentage	Service Launch Attenuation Offset
Post-FEC BER	Signal Degrade Threshold
Power Gain	Signal Degrade Threshold
Power Management Type	Signal Degrade Threshold
PPS Status	Signal Failure Threshold
Pre-Compensated Tilt Percentage	Signal Failure Threshold
Pre-FEC BER	Signal Failure Threshold
Present Duplex Mode	Signal Mode
Present Link Speed	Signal Mode
Previous State	Signal Output Power
Protection Time Slot	Signal Output Power
Provisioned Duplex Mode	Signal Output Power

(4 of 5)

Parameters	
Signal Output Power	Time Period Between Adjustments
Signal Output Power	ToD Format
Signal Type	ToD Status
Site ID	Total Input Power
Site Name	Total Input Power
Software Part Number	Total Input Power
Source IP	Total Input Power
Span Loss Tilt	Total Input Power
SPB Service Mode	Total Input Power
Specific Description	Total Output Power
Speed	Total Output Power
Splice Margin	Total Output Power
Splice Margin	Total Output Power
Split Horizon Group	Total Output Power
State	Total Output Power
State	Total Output Power at Monitored Port
State Qualifier	Transmit Frequency
Status	Transmit Lane Powers
Status	Transmit Power
Status LED	Transmit Power
Subnet Mask	Transmitted J0
Subrack Connection	Transmitted J0
SVLAN Tag Protocol ID	Transmitted SSM
Switching Threshold	Transponder Transmit Power
Switching Threshold Calculation Mode	UNI Profile
Switching Threshold Tolerance	Unit Part Number
Target Gain	Untagged/PriorityCE-VLAN ID
Target Gain	User label
Target Tilt	Use System Default AINS Timer
Target Tilt	Vlan Xlation Mode
Target Tilt	VOA Attenuation
Terminal Loopback	VPLS Mode
Test Signal Loopback	VTS10 Source
Tilt Adjust Egress Result	VTS1 Source
Tilt Adjust Egress Status	VTS2 Source
Tilt Adjust Ingress Result	VTS3 Source
Tilt Adjust Ingress Status	VTS4 Source
Tilt Calculation Coefficient	VTS5 Source
Tilt Calculation Coefficient for DCM	VTS6 Source
Tilt Calculation Multiplier	VTS7 Source
Tilt Calculation Offset	VTS8 Source
Time Offset Past Hour	VTS9 Source
Wave Key 1	Wavelength Tracker Decoder Usage
Wave Key 2	Working Time Slot
Wave Key Transmit Status	

(5 of 5)

Table 146-2 Access Weight

Name	Value
Displayed name	Access Weight
OSS name	ingressAccessWeight
Type	INT
Minimum	0
Maximum	100
Default	50
Tab|Panel	General|Hybrid Ingress Buffer Allocation

Table 146-3 Access Weight

Name	Value
Displayed name	Access Weight
OSS name	egressAccessWeight
Type	INT
Minimum	0
Maximum	100
Default	50
Tab|Panel	General|Hybrid Egress Buffer Allocation

Table 146-4 Accounting Policy

Name	Value
Displayed name	Accounting Policy
OSS name	etherAccountingPolicyObjectPointer
Type	POINTER
Tab|Panel	Policies.General|Ethernet Accounting

Table 146-5 Accounting Policy

Name	Value
Displayed name	Accounting Policy
OSS name	accountingPolicyObjectPointer
Type	POINTER

(1 of 2)

Name	Value
Tab|Panel	Policies.General|Accounting

(2 of 2)

Table 146-6 Actual Speed

Name	Value
Displayed name	Actual Speed
OSS name	actualSpeed
Type	LONG
Default	0
Units	kbps
Read-only	yes
Tab|Panel	General|General

Table 146-7 Actual Tilt

Name	Value
Displayed name	Actual Tilt
OSS name	ampPortActualtilt
Type	FLOAT
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Amplifier
Description	Applies to the signal port of the amplifier card.

Table 146-8 Actual Tilt

Name	Value
Displayed name	Actual Tilt
OSS name	ampPortActualtilt
Type	FLOAT
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|EDFA Amp Attributes
Description	Applies to the signal port of the amplifier card.

Table 146-9 Additional Operational State

Name	Value
Displayed name	Additional Operational State
OSS name	additionalOperState
Type	equipment.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	States|General
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	
Provisioned	
Reserved	
Reset Pending	
Shutting Down	
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

Table 146-10 Add Path Wavelength Tracker Decoder Usage

Name	Value
Displayed name	Add Path Wavelength Tracker Decoder Usage

(1 of 2)

Name	Value
OSS name	powerMgmtWtdUsageTypeIn
Type	equipment.WtdUsageType
Tab|Panel	Port Specifics.General|Wavelength Tracker Decoder Usage
Description	The type of WTD used ingress.

(2 of 2)

Table 146-11 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	equipment.AdministrativeState
Default	Unknown
Tab|Panel	States|General
Enumerated types	
Diagnose	
Up	
Locked	
Maintenance	
Unknown	
Not Relevant	
Operate Switch	
Down	
Shutting Down	
Unlocked	

Table 146-12 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	equipment.AdministrativeState
Default	Unknown
Tab|Panel	General|Equipment
Enumerated types	
Diagnose	

(1 of 2)

Name	Value
Up	
Locked	
Maintenance	
Unknown	
Not Relevant	
Operate Switch	
Down	
Shutting Down	
Unlocked	

(2 of 2)

Table 146-13 AINS Countdown

Name	Value
Displayed name	AINS Countdown
OSS name	apAinsDebounceTimeRemaining
Type	STRING
Units	HH:MM
Tab|Panel	Port Specifics.General|AINS
Description	Number of seconds until the Port AINS DebounceTime expires. If Port AINS is false or Port AINS Debounce Time is 0, the value of this attribute will be 0.

Table 146-14 AINS Timer

Name	Value
Displayed name	AINS Timer
OSS name	apAinsDebounceTime
Type	STRING
Units	HH:MM
Tab|Panel	Port Specifics.General|AINS
Description	This attribute must be set in multiples of 60s. It is equal to System AINS Debounce Time when Port AINS Use System Default is true. Setting the Port AINS Debounce Time and Port AINS Use System Default to true in the same set request is restricted. Current configurable range: 1m to 96h 0m. 0 is a valid value.

Table 146-15 AIS Mode

Name	Value
Displayed name	AIS Mode
OSS name	syncEBitsPortOutputAISMode
Type	equipment.SyncEBitsPortOutputAISMode
Tab|Panel	Port Specifics.General|BITS Attributes
Description	AIS Mode

Table 146-16 Allocated Adjustment Time

Name	Value
Displayed name	Allocated Adjustment Time
OSS name	powerMgmtPortGainAdjTimerLength
Type	STRING
Units	HH:MM:SS
Tab|Panel	Port Specifics.General|Gain Adjustment Settings
Description	This is used to enter the length of enablement time for the OMS section. The unit is in 100s of ms. Value of -1 means not configured. Current configurable range: -1 to 35999

Table 146-17 Allowed Gain Delta

Name	Value
Displayed name	Allowed Gain Delta
OSS name	ampPortPowerDeltaMax
Type	FLOAT
Minimum	0
Maximum	5
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Amplifier
Description	EPT - delta max.

Table 146-18 Allowed Gain Delta

Name	Value
Displayed name	Allowed Gain Delta
OSS name	ampPortPowerDeltaMax
Type	FLOAT
Minimum	0
Maximum	5
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|EDFA Amp Attributes
Description	EPT - delta max.

Table 146-19 APR Delay Enabled

Name	Value
Displayed name	APR Delay Enabled
OSS name	ampPortAprHoldOffTime
Type	equipment.PortAprHoldOffTime
Tab|Panel	Port Specifics.General|Amplifier
Description	The auto power recovery hold off time.

Table 146-20 APR Delay Enabled

Name	Value
Displayed name	APR Delay Enabled
OSS name	wssPortAprHoldOffTime
Type	equipment.PortAprHoldOffTime
Default	no
Tab|Panel	Port Specifics.General|Power
Description	The auto power recovery hold off time.

Table 146-21 APR Disabled

Name	Value
Displayed name	APR Disabled

(1 of 2)

Name	Value
OSS name	ampPortAprDisable
Type	BOOL
Tab|Panel	Port Specifics.General|Amplifier
Description	The Auto Power Recovery Disable.

(2 of 2)

Table 146-22 ASE Output Power

Name	Value
Displayed name	ASE Output Power
OSS name	rmnPortAsePowerOut
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Power
Description	The ASE noise power out of the Raman LINEOUT port.

Table 146-23 ASE Output Power

Name	Value
Displayed name	ASE Output Power
OSS name	rmnPortAsePowerOut
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Raman Amp Attributes
Description	The ASE noise power out of the Raman LINEOUT port.

Table 146-24 Assigned Rate

Name	Value
Displayed name	Assigned Rate
OSS name	assignedRateForGui
Type	equipment.AssignedRate
Default	unassigned
Tab|Panel	Port Specifics.General|General

(1 of 2)

Name	Value
Description	Used for the GUI only.

(2 of 2)

<div align="center">

Table 146-25 Attenuation

</div>

Name	Value
Displayed name	Attenuation
OSS name	hybridPortVoaAttenuation
Type	FLOAT
Minimum	0
Maximum	20
Default	0.0
Units	dB
Tab|Panel	Port Specifics.General|Mid EVOA Attributes
Description	Hybrid amplifier port VOA attenuation.

<div align="center">

Table 146-26 Auto Gain Adjustment Enabled

</div>

Name	Value
Displayed name	Auto Gain Adjustment Enabled
OSS name	powerMgmtPortInGainAdjAutoEnabled
Type	BOOL
Tab|Panel	Port Specifics.General|Power
Description	This is used to configure line behaviour: false - no auto adjusts, true - will enable adjustments, or do auto adjustments.

<div align="center">

Table 146-27 Automatic VLAN Binding

</div>

Name	Value
Displayed name	Automatic VLAN Binding
OSS name	vlanAutoBind
Type	BOOL
Default	true
Tab|Panel	General|General

Table 146-28 Auto Negotiation

Name	Value
Displayed name	Auto Negotiation
OSS name	gpPortAutoNegotiation
Type	equipment.DisabledEnabled
Tab|Panel	Port Specifics.General|Gigabit Ethernet
Description	The auto negotiation status.

Table 146-29 Auto Tilt Adjustment Enabled

Name	Value
Displayed name	Auto Tilt Adjustment Enabled
OSS name	powerMgmtPortSRSTiltAdjAutoEnabled
Type	BOOL
Tab|Panel	Port Specifics.General|Power
Description	If this value is true and line is OADM, controls updates of the channel set information used for SRS Adjustment. Value automatically updates at lines that pull the channel information from upstream.

Table 146-30 Auto Tilt Maintainence Mode Enabled

Name	Value
Displayed name	Auto Tilt Maintainence Mode Enabled
OSS name	powerMgmtPortSRSTiltMaintenanceMode
Type	BOOL
Tab|Panel	Port Specifics.General|Power
Description	A line parameter that sets SCOT into a maintenance mode where the auto adjustment triggers are not sent, and the receiving lines do not respond to auto triggers.

Table 146-31 Available Bandwidth

Name	Value
Displayed name	Available Bandwidth
OSS name	availableBandwidth
Type	INT
Minimum	0

(1 of 2)

Name	Value
Maximum	10000
Units	Mbps
Tab|Panel	Port Specifics.General|Ethernet
Description	Available bandwidth for 11DPGE12/11DPE12E ports.

(2 of 2)

Table 146-32 Available Egress Bandwidth

Name	Value
Displayed name	Available Egress Bandwidth
OSS name	availableEgressBandwidth
Type	INT
Minimum	0
Maximum	10000
Units	Mbps
Tab|Panel	Port Specifics.General|Ethernet
Description	Available Egress bandwidth for 11DPGE12/11DPE12E ports.

Table 146-33 Available Ingress Bandwidth

Name	Value
Displayed name	Available Ingress Bandwidth
OSS name	availableIngressBandwidth
Type	INT
Minimum	0
Maximum	10000
Units	Mbps
Tab|Panel	Port Specifics.General|Ethernet
Description	Available Ingress bandwidth for 11DPGE12/11DPE12E ports.

Table 146-34 Background Diagnostics Fault Reason

Name	Value
Displayed name	Background Diagnostics Fault Reason
OSS name	backgroundDiagnosticsFaultReason
Type	STRING

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 146-35 Background Diagnostics State

Name	Value
Displayed name	Background Diagnostics State
OSS name	backgroundDiagnosticsState
Type	equipment.BackgroundDiagnosticsStateType
Default	Unknown
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
Critical Fault Detected	
Fault Detected	
N/A	
Ok	
Unknown	

Table 146-36 Cable Delay Correction (ns)

Name	Value
Displayed name	Cable Delay Correction (ns)
OSS name	cableDelayCorrection
Type	LONG
Minimum	0
Maximum	100000000
Default	0
Tab|Panel	Port Specifics.General|TOD Attributes
Description	Cable Delay Correction

Table 146-37 Channel

Name	Value
Displayed name	Channel

(1 of 2)

Name	Value
OSS name	dwdmChannel
Type	INT
Default	0
Tab|Panel	General|DWDM

(2 of 2)

Table 146-38 Class

Name	Value
Displayed name	Class
OSS name	portClass
Type	equipment.PortClass
Default	None
Read-only	yes
Tab|Panel	General|General
Enumerated types	
100 Gigabit Ethernet	
DSL	
Fast Ethernet	
Gigabit Ethernet	
GPON	
GPS	
None	
Radio	
Serial	
SONET	
SONET Channel	
TDM	
Variable Speed Ethernet	
Virtual Port	
Voice	
VSM Ethernet	
WDM	
10 Gigabit Ethernet	
40 Gigabit Ethernet	

Table 146-39 Clear GMRE Topology Alarm

Name	Value
Displayed name	Clear GMRE Topology Alarm
OSS name	asonTopoClearAlarm
Type	BOOL
Tab|Panel	Port Specifics.General|General
Description	Clears ASON topology connectivity alarm.

Table 146-40 CLEI

Name	Value
Displayed name	CLEI
OSS name	portClei
Type	STRING
Tab|Panel	Port Specifics.General|Inventory
Description	Port CLEI.

Table 146-41 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING
Minimum	0
Maximum	16
Read-only	yes
Tab|Panel	General|Equipment Location Codes

Table 146-42 CLI Name

Name	Value
Displayed name	CLI Name
OSS name	portName
Type	STRING
Maximum	252

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|General

(2 of 2)

Table 146-43 Collect Accounting Statistics

Name	Value
Displayed name	Collect Accounting Statistics
OSS name	etherCollectStats
Type	BOOL
Default	false
Tab|Panel	Policies.General|Ethernet Accounting

Table 146-44 Collect Accounting Statistics

Name	Value
Displayed name	Collect Accounting Statistics
OSS name	collectStats
Type	BOOL
Default	true
Tab|Panel	Policies.General|Accounting

Table 146-45 Commissioning Completed

Name	Value
Displayed name	Commissioning Completed
OSS name	powerMgmtIsCommissioned
Type	BOOL
Tab|Panel	Port Specifics.General|Power
Description	Each external OSC card port whose power management mode setting is Automatic has a Power Management Commissioned Flag. When commissioning is completed these flags are set to complete by users.

Table 146-46 Company ID

Name	Value
Displayed name	Company ID
OSS name	portCompanyId
Type	STRING
Tab|Panel	Port Specifics.General|Inventory
Description	Port Company ID.

Table 146-47 Compatibility Mode

Name	Value
Displayed name	Compatibility Mode
OSS name	portConfigCompatibilityMode
Type	equipment.PortConfigCompatibilityMode
Default	default
Tab|Panel	Port Specifics.General|OTU
Description	This parameter is used to set the compatable mode of the OTU2 port. default: The port operates in the default mode which is supported by all 12xGE cards except the 11DPE12. 11DPE12: The port operates in the 11DPE12 interworking mode.

Table 146-48 Configured MAC

Name	Value
Displayed name	Configured MAC
OSS name	macAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|General

Table 146-49 Connected From

Name	Value
Displayed name	Connected From
OSS name	apFarEndAddrFrom
Type	STRING
Maximum	64

(1 of 2)

Name	Value
Tab|Panel	Port Specifics.General|Connection
Description	External port far end address that points to this port.

(2 of 2)

Table 146-50 Connected From

Name	Value
Displayed name	Connected From
OSS name	apFarEndIfIndexFromDisplay
Type	STRING
Tab|Panel	Port Specifics.General|Connection
Description	External port far end address that points to this port.

Table 146-51 Connected From

Name	Value
Displayed name	Connected From
OSS name	ptpSigConnectedFromPort
Type	POINTER
Tab|Panel	Port Specifics.General|Connection Information
Description	PTP Sig port connected from

Table 146-52 Connected To

Name	Value
Displayed name	Connected To
OSS name	apFarEndAddr
Type	STRING
Maximum	64
Tab|Panel	Port Specifics.General|Connection
Description	Address of the external port to which this port is connected.

Table 146-53 Connected To

Name	Value
Displayed name	Connected To
OSS name	apFarEndIfIndexDisplay
Type	STRING
Tab|Panel	Port Specifics.General|Connection
Description	External port far end address that points to this port.

Table 146-54 Connected To

Name	Value
Displayed name	Connected To
OSS name	ptpSigConnectedToPort
Type	POINTER
Tab|Panel	Port Specifics.General|Connection Information
Description	PTP Sig port connected to

Table 146-55 Connected Type From

Name	Value
Displayed name	Connected Type From
OSS name	apFarEndTypeFrom
Type	equipment.FarEndType
Tab|Panel	Port Specifics.General|Connection
Description	Indicates whether an internal/external port is pointing to this port.

Table 146-56 Connected Type To

Name	Value
Displayed name	Connected Type To
OSS name	apFarEndType
Type	equipment.FarEndType
Tab|Panel	Port Specifics.General|Connection
Description	Indicates if this port is connected to another internal port or an external port.

Table 146-57 Connection Retry Count

Name	Value
Displayed name	Connection Retry Count
OSS name	cnLinkSourceLossCount
Type	LONG
Minimum	5
Maximum	10000
Tab|Panel	Port Specifics.General|Auto-Disable port Status
Description	The number of consecutive retries that cnLinkAutoStateSourceIP is un-reachable when cnLinkCitAutoStateCtrl is true, which results in CIT port to be auto-enabled.

Table 146-58 Connection Retry Interval

Name	Value
Displayed name	Connection Retry Interval
OSS name	cnLinkSourceIPCheckInterval
Type	LONG
Minimum	10
Maximum	7200
Units	seconds
Tab|Panel	Port Specifics.General|Auto-Disable port Status
Description	The interval to contact cnLinkAutoStateSourceIP when cnLinkCitAutoStateCtrl is true.

Table 146-59 Connector Loss to Span

Name	Value
Displayed name	Connector Loss to Span
OSS name	powerMgmtEgressSRSTiltCalcOutputLoss
Type	FLOAT
Minimum	0.0
Maximum	10.0
Default	0.0
Units	dB
Tab|Panel	Port Specifics.General|Dynamic Tilt Adjustment
Description	Configurable loss from the egress Line Out to the fiber span input. Current configurable range: 0 to 1000.

Table 146-60 Container

Name	Value
Displayed name	Container
OSS name	cpContainer
Type	equipment.Container
Tab|Panel	Port Specifics.General|OT
Description	Define Client port Container Type.

Table 146-61 Containing Equipment Status

Name	Value
Displayed name	Containing Equipment Status
OSS name	containingEquipmentState
Type	equipment.ContainingEquipmentState
Default	N/A
Read-only	yes
Tab|Panel	States|General
Enumerated types	
Admin Down	
Equipment In Test	
Type Mismatch	
Removed	
Oper Down	
N/A	
OK	

Table 146-62 Cost Metric

Name	Value
Displayed name	Cost Metric
OSS name	cnTeMetric
Type	LONG
Minimum	1
Maximum	65535
Tab|Panel	Port Specifics.General|OSPF
Description	The Traffic eng metric of the link.

Table 146-63 CrossRegen Partner Port

Name	Value
Displayed name	CrossRegen Partner Port
OSS name	lpCrossRegPartner
Type	equipment.CrossRegPartner
Tab|Panel	Port Specifics.General|OT
Description	Cross reg partner port of Line Port.

Table 146-64 Current Key Info

Name	Value
Displayed name	Current Key Info
OSS name	currentKeyInfo
Type	STRING
Minimum	0
Maximum	256
Tab|Panel	Port Specifics.General|Encryption Management
Description	Port Encryption CurrentKey Info.

Table 146-65 Date

Name	Value
Displayed name	Date
OSS name	portDate
Type	STRING
Tab|Panel	Port Specifics.General|Inventory
Description	Port Date.

Table 146-66 DDM Event Suppression

Name	Value
Displayed name	DDM Event Suppression
OSS name	ddmEventSuppression
Type	BOOL
Default	false

(1 of 2)

Name	Value
Tab|Panel	General|General

(2 of 2)

Table 146-67 Dead Interval

Name	Value
Displayed name	Dead Interval
OSS name	cnRtrDeadInterval
Type	LONG
Minimum	2
Maximum	65535
Units	seconds
Tab|Panel	Port Specifics.General|OSPF
Description	The router dead interval of the link. For 1830, the range is (1..'FFFF'h). This value must be greater than or equal to hello interval value.

Table 146-68 Default VLAN

Name	Value
Displayed name	Default VLAN
OSS name	vlan
Type	INT
Minimum	1
Maximum	4092
Default	1
Tab|Panel	General|VLAN Info
Description	Applicable to Telco 7250 only, default VLAN for the port

Table 146-69 Defect Holdoff Timer

Name	Value
Displayed name	Defect Holdoff Timer
OSS name	lpDefectHoldoffTimer
Type	equipment.DisabledEnabled
Tab|Panel	Port Specifics.General|OTU
Description	Line port consequent action (whether AIS insertion or laser off) must be delayed by a hold-off timer.

Table 146-70 Description

Name	Value
Displayed name	Description
OSS name	portAccessDescription
Type	STRING
Minimum	0
Maximum	80
Default	no
Tab|Panel	General|Service Access Info
Description	This property is specific to AOS family

Table 146-71 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	256
Tab|Panel	General|General

Table 146-72 DHCP IP Range

Name	Value
Displayed name	DHCP IP Range
OSS name	cnDhcpRange
Type	INT
Minimum	1
Maximum	10
Tab|Panel	Port Specifics.General|Control Network
Description	Control Network DHCP range. Current configurable range: 0 to 10

Table 146-73 DHCP Server Enabled

Name	Value
Displayed name	DHCP Server Enabled
OSS name	cnDhcpServer
Type	BOOL
Tab|Panel	Port Specifics.General|Control Network
Description	Control Network DHCP server configured.

Table 146-74 Direction

Name	Value
Displayed name	Direction
OSS name	syncEBitsPortDirection
Type	equipment.SyncEBitsPortDirection
Tab|Panel	Port Specifics.General|BITS Attributes
Description	Port Direction Specifier

Table 146-75 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	equipment.PtpTodDirection
Default	0
Tab|Panel	Port Specifics.General|TOD Attributes
Description	Direction

Table 146-76 Disable Port Automatically

Name	Value
Displayed name	Disable Port Automatically
OSS name	cnLinkCitAutoStateCtrl
Type	BOOL
Tab|Panel	Port Specifics.General|Auto-Disable port Status

(1 of 2)

Name	Value
Description	false - System is not in auto_state. CIT enable/disable is done by ifAdminStatus. true - System is in auto_state. CIT enable/disable is done by the connectivity status of source_ip. The CIT port will be disabled when the source IP is reachable and enabled when source IP becomes un-reachable. Provisioning of this attribute is restricted to administrators only.

(2 of 2)

Table 146-77 Distribute Default Gateway via DHCP

Name	Value
Displayed name	Distribute Default Gateway via DHCP
OSS name	cnDhcpGateway
Type	BOOL
Tab|Panel	Port Specifics.General|Control Network
Description	Indicates if default gateway IP address is distributed via DHCP on this interface.

Table 146-78 Drop Path Target Power

Name	Value
Displayed name	Drop Path Target Power
OSS name	cwrPortDropTargetPower
Type	FLOAT
Minimum	-26.5
Maximum	-4
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Power
Description	The following description applies to the colorless port of the CWR8-88 card: The drop target power

Table 146-79 Drop Path Wavelength Tracker Decoder Usage

Name	Value
Displayed name	Drop Path Wavelength Tracker Decoder Usage
OSS name	powerMgmtWtdUsageTypeOut
Type	equipment.WtdUsageType
Tab|Panel	Port Specifics.General|Wavelength Tracker Decoder Usage
Description	The type of WTD used egress.

Table 146-80 E1 Frame Format

Name	Value
Displayed name	E1 Frame Format
OSS name	frameFormat
Type	equipment.E1T1FrameFormatType
Default	1
Tab|Panel	Port Specifics.General|E1/T1 Specifics
Description	Indicates the E1T1 format

Table 146-81 Egress Percentage of Rate

Name	Value
Displayed name	Egress Percentage of Rate
OSS name	portEgrPoolPercentageRate
Type	INT
Minimum	0
Maximum	1000
Default	100
Units	%
Tab|Panel	General|Port Percentage Rates

Table 146-82 Egress Pool Policy

Name	Value
Displayed name	Egress Pool Policy
OSS name	portEgrNamedPoolPlcy
Type	POINTER
Tab|Panel	General|Named Buffer Pool

Table 146-83 Egress Timing Mode

Name	Value
Displayed name	Egress Timing Mode
OSS name	egressTimingMode
Type	equipment.E1T1ClientEgressTimingModeType

(1 of 2)

Name	Value
Default	1
Tab|Panel	Port Specifics.General|E1/T1 Specifics
Description	Indicates E1T1 client egress timing mode

(2 of 2)

Table 146-84 Embedded ODU Facility Type

Name	Value
Displayed name	Embedded ODU Facility Type
OSS name	oduFacilityType
Type	equipment.EmbeddedODUFacilityType
Tab|Panel	Port Specifics.General|OT
Description	Embedded ODU FacilityType.

Table 146-85 Encapsulation Mode

Name	Value
Displayed name	Encapsulation Mode
OSS name	gpPortPacketIfType
Type	equipment.IfType
Tab|Panel	Port Specifics.General|Fiber Channel
Description	The packet interface type.

Table 146-86 Encapsulation Mode

Name	Value
Displayed name	Encapsulation Mode
OSS name	gpPortPacketIfType
Type	equipment.IfType
Tab|Panel	Port Specifics.General|Gigabit Ethernet
Description	The packet interface type.

Table 146-87 Encapsulation Type

Name	Value
Displayed name	Encapsulation Type
OSS name	encapType
Type	equipment.PortEncapType
Default	Null
Tab|Panel	General|General
Enumerated types	
ATM	
BCP Dot1 Q	
BCP Null	
CEM	
FR	
Cisco HDLC	
IPCP	
MPLS	
Null	
PPP Auto	
Dot1 Q	
Q in Q	
HDLC	
N/A	
WAN Mirror	

Table 146-88 Equipped

Name	Value
Displayed name	Equipped
OSS name	isEquipped
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	States|General

Table 146-89 Errored Frame Drop Mode

Name	Value
Displayed name	Errored Frame Drop Mode
OSS name	gpPortErroredFrameDrop
Type	equipment.DisabledEnabled
Tab|Panel	Port Specifics.General|Gigabit Ethernet
Description	The errored frame drop status.

Table 146-90 Expected J0

Name	Value
Displayed name	Expected J0
OSS name	rsmonIngrExTti
Type	STRING
Minimum	0
Maximum	15
Tab|Panel	Port Specifics.General|CBR2G5
Description	RSMON Ingress port expected TTI.

Table 146-91 Expected J0

Name	Value
Displayed name	Expected J0
OSS name	rsmonIngrExTti
Type	STRING
Minimum	0
Maximum	15
Tab|Panel	Port Specifics.General|SONET / SDH
Description	RSMON Ingress port expected TTI.

Table 146-92 Expected J0

Name	Value
Displayed name	Expected J0
OSS name	rsmonEgrExTti

(1 of 2)

Name	Value
Type	STRING
Minimum	0
Maximum	15
Tab|Panel	Port Specifics.General|SONET / SDH
Description	RSMON Egress port expected tti.

(2 of 2)

Table 146-93 Expected Maximum Gain

Name	Value
Displayed name	Expected Maximum Gain
OSS name	rmnPortGMaxExpected
Type	FLOAT
Minimum	0
Maximum	25
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Power
Description	The maximum gain expected.

Table 146-94 Expected Maximum Gain

Name	Value
Displayed name	Expected Maximum Gain
OSS name	rmnPortGMaxExpected
Type	FLOAT
Minimum	0
Maximum	25
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Raman Amp Attributes
Description	The maximum gain expected.

Table 146-95 Expected Minimum Gain

Name	Value
Displayed name	Expected Minimum Gain
OSS name	rmnPortGMinExpected
Type	FLOAT
Minimum	0
Maximum	25
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Power
Description	The minimum gain expected.

Table 146-96 Expected Minimum Gain

Name	Value
Displayed name	Expected Minimum Gain
OSS name	rmnPortGMinExpected
Type	FLOAT
Minimum	0
Maximum	25
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Raman Amp Attributes
Description	The minimum gain expected.

Table 146-97 Expected Network Output Power

Name	Value
Displayed name	Expected Network Output Power
OSS name	waveKeyEncodeProgrammedNwOutputPower
Type	FLOAT
Minimum	-20
Maximum	4
Default	-99.0
Units	dBm
Step	0.01

(1 of 2)

Name	Value
Tab|Panel	Port Specifics.General|Wave Key Encode
Description	The programmed AC output power of the port (EVOA), measured in mBm. It is the power of the full optical signal. Current configurable range: -2000 to -300 (CAD or COF) -2000 to 200 (2.5 Gig transponders) -2000 to 400 (10 Gig and 40 Gig non-coherent transponders) -2000 to -550 (4 Gig dual port transponders) -1700 to 400 (40 Gig and 100 Gig coherent transponders).

(2 of 2)

Table 146-98 Extra Data

Name	Value
Displayed name	Extra Data
OSS name	portExtraData
Type	STRING
Tab|Panel	Port Specifics.General|Inventory
Description	Port Extra Info.

Table 146-99 Facility Loopback

Name	Value
Displayed name	Facility Loopback
OSS name	facilityLoopback
Type	BOOL
Tab|Panel	Port Specifics.General|Test/Analysis
Description	Facility Loopback.

Table 146-100 Factory ID

Name	Value
Displayed name	Factory ID
OSS name	portFactoryId
Type	STRING
Tab|Panel	Port Specifics.General|Inventory
Description	Port Factory ID.

Table 146-101 FC Mode

Name	Value
Displayed name	FC Mode
OSS name	gpPortPacketFcMode
Type	equipment.FcMode
Tab|Panel	Port Specifics.General|Fiber Channel
Description	The fiber channel mode.

Table 146-102 FEC Mode

Name	Value
Displayed name	FEC Mode
OSS name	otuFecMode
Type	equipment.FecMode
Tab|Panel	Port Specifics.General|OTU
Description	The OCH OTU FEC mode. Depending on the port rate this can be OTU1 FEC Mode/OTU2 FEC Mode/OTU3 FEC Mode/OTU4 FEC Mode.

Table 146-103 Fiber Type

Name	Value
Displayed name	Fiber Type
OSS name	rmnPortFiberType
Type	equipment.PortFiberType
Tab|Panel	Port Specifics.General|Power
Description	Indicates the fiber type.

Table 146-104 Fiber Type

Name	Value
Displayed name	Fiber Type
OSS name	rmnPortFiberType
Type	equipment.PortFiberType
Tab|Panel	Port Specifics.General|Raman Amp Attributes
Description	Indicates the fiber type.

Table 146-105 Frequency

Name	Value
Displayed name	Frequency
OSS name	nwPortProgrammedChannel
Type	equipment.ITUChannel
Tab|Panel	Port Specifics.General|General Attributes
Description	The programmed ITU channel.

Table 146-106 Function

Name	Value
Displayed name	Function
OSS name	function
Type	equipment.FunctionType
Tab|Panel	Port Specifics.General|Encryption Management
Description	Port Function Type.

Table 146-107 Gain

Name	Value
Displayed name	Gain
OSS name	ampPortPowerGain
Type	FLOAT
Minimum	6
Maximum	33
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|EDFA Amp Attributes
Description	Applies to the signal port of the amplifier card.

Table 146-108 Gain

Name	Value
Displayed name	Gain
OSS name	rmnPortGain

(1 of 2)

Name	Value
Type	FLOAT
Minimum	0
Maximum	25
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Power
Description	The current operating gain.

(2 of 2)

Table 146-109 Gain

Name	Value
Displayed name	Gain
OSS name	rmnPortGain
Type	FLOAT
Minimum	0
Maximum	25
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Raman Amp Attributes
Description	The current operating gain.

Table 146-110 Gain Tilt

Name	Value
Displayed name	Gain Tilt
OSS name	ampPortGainTilt
Type	FLOAT
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Amplifier
Description	Current OA tilt setting for the signal port of the amplifier card.

Table 146-111 Gain Tilt

Name	Value
Displayed name	Gain Tilt
OSS name	ampPortGainTilt
Type	FLOAT
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|EDFA Amp Attributes
Description	Current OA tilt setting for the signal port of the amplifier card.

Table 146-112 GCC Channel Status

Name	Value
Displayed name	GCC Channel Status
OSS name	gccPortStatus
Type	equipment.DisabledEnabled
Tab|Panel	Port Specifics.General|GCC
Description	The GCC status.

Table 146-113 GCC MTU Size

Name	Value
Displayed name	GCC MTU Size
OSS name	gccMtuSize
Type	INT
Minimum	576
Maximum	1500
Default	1473
Tab|Panel	Port Specifics.General|GCC
Description	The MTU size for GCC0 interface. The intent is to allow for interworking/standardization across multiple products. The default for the 11QPA4 is 1500, while it's 1473 for all other supported packs. The MTU size is allowed to be changed only when the provisioned packet type is set to std. If the packet type is changed from std to nonStd then the MTU size will automatically be changed by the software back to the pack's default value.

Table 146-114 GCC Packet Type

Name	Value
Displayed name	GCC Packet Type
OSS name	gccPacketType
Type	equipment.GccPacketType
Default	nonStd
Tab|Panel	Port Specifics.General|GCC
Description	The GCC standard type. For the 11QPA4 pack, the default value is std and it cannot be changed. For all other supported packs, the default value is nonStd.

Table 146-115 GCC Type

Name	Value
Displayed name	GCC Type
OSS name	gccChannelType
Type	equipment.GccChannelType
Tab|Panel	Port Specifics.General|GCC
Description	The GCC channel type provision.

Table 146-116 GFP CRC Framing

Name	Value
Displayed name	GFP CRC Framing
OSS name	gpPortGfpCrc
Type	equipment.GccPacketType
Tab|Panel	Port Specifics.General|Gigabit Ethernet
Description	The Gfp CRC

Table 146-117 Hardware Class

Name	Value
Displayed name	Hardware Class
OSS name	hardwareClass
Type	equipment.HardwareClassType
Default	no
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|Manufacturer Details
Enumerated types	
External Alarm Input	
Fam	
N/A	

(2 of 2)

Table 146-118 Hardware MAC

Name	Value
Displayed name	Hardware MAC
OSS name	hwMacAddress
Type	MACADDR
Default	00-00-00-00-00-00
Read-only	yes
Tab|Panel	General|General

Table 146-119 HDSDI Rate

Name	Value
Displayed name	HDSDI Rate
OSS name	cbrArPortHdsdiRate
Type	equipment.HdsdiRate
Units	Gbps
Tab|Panel	Port Specifics.General|HDSDI
Description	HDSDI rate, which is compatible with existing NTSC systems.

Table 146-120 Hello Interval

Name	Value
Displayed name	Hello Interval
OSS name	cnHelloInterval
Type	LONG
Minimum	1
Maximum	65534
Units	seconds

(1 of 2)

Name	Value
Tab|Panel	Port Specifics.General|OSPF
Description	The hello interval of the link.

(2 of 2)

Table 146-121 Holding IGH

Name	Value
Displayed name	Holding IGH
OSS name	memberOfIGH
Type	POINTER
Read-only	yes
Tab|Panel	General|IGH Membership
Description	ECMP fate sharing group membership

Table 146-122 Hold Time Down

Name	Value
Displayed name	Hold Time Down
OSS name	holdTimeDown
Type	INT
Minimum	0
Maximum	5
Default	0
Units	seconds
Tab|Panel	General|Hold Time

Table 146-123 Hold Time Units

Name	Value
Displayed name	Hold Time Units
OSS name	holdTimeUnits
Type	equipment.HoldTimeUnitsType
Default	0
Tab|Panel	General|Hold Time
Enumerated types	
Centiseconds	

(1 of 2)

Name	Value
Seconds	

(2 of 2)

Table 146-124 Hold Time Up

Name	Value
Displayed name	Hold Time Up
OSS name	holdTimeUp
Type	INT
Minimum	0
Maximum	5
Default	0
Units	seconds
Tab|Panel	General|Hold Time

Table 146-125 HSMDA Egress Scheduler Policy

Name	Value
Displayed name	HSMDA Egress Scheduler Policy
OSS name	portEgrHsmdaSchedulerPolicy
Type	POINTER
Tab|Panel	Policies.General|HSMDA Scheduler
Description	Specifies the hsmda scheduler policy used by this port

Table 146-126 Incoming J0

Name	Value
Displayed name	Incoming J0
OSS name	rsmonIngrIncomingTti
Type	STRING
Tab|Panel	Port Specifics.General|CBR2G5
Description	RSMON Ingress incoming TTI.

Table 146-127 Incoming J0

Name	Value
Displayed name	Incoming J0
OSS name	rsmonIngrIncomingTti
Type	STRING
Tab|Panel	Port Specifics.General|SONET / SDH
Description	RSMON Ingress incoming TTI.

Table 146-128 Incoming J0

Name	Value
Displayed name	Incoming J0
OSS name	rsmonEgrIncomingTti
Type	STRING
Tab|Panel	Port Specifics.General|SONET / SDH
Description	RSMON Egress port incoming TTI.

Table 146-129 Incoming J0 Status

Name	Value
Displayed name	Incoming J0 Status
OSS name	rsmonEgrTtiStatus
Type	equipment.TtiStatus
Tab|Panel	Port Specifics.General|SONET / SDH
Description	RSMON Egress Port TTI status.

Table 146-130 Incoming J0 Status

Name	Value
Displayed name	Incoming J0 Status
OSS name	rsmonIngrTtiStatus
Type	equipment.TtiStatus
Tab|Panel	Port Specifics.General|CBR2G5
Description	RSMON Ingress Port TTI status.

Table 146-131 Incoming J0 Status

Name	Value
Displayed name	Incoming J0 Status
OSS name	rsmonIngrTtiStatus
Type	equipment.TtiStatus
Tab|Panel	Port Specifics.General|SONET / SDH
Description	RSMON Ingress Port TTI status.

Table 146-132 Ingress Percentage of Rate

Name	Value
Displayed name	Ingress Percentage of Rate
OSS name	portIngrPoolPercentageRate
Type	INT
Minimum	0
Maximum	1000
Default	100
Units	%
Tab|Panel	General|Port Percentage Rates

Table 146-133 Ingress Pool Policy

Name	Value
Displayed name	Ingress Pool Policy
OSS name	portIngrNamedPoolPlcy
Type	POINTER
Tab|Panel	General|Named Buffer Pool

Table 146-134 Initial Loss

Name	Value
Displayed name	Initial Loss
OSS name	hybridPortInitialMidLoss
Type	FLOAT
Minimum	0

(1 of 2)

Name	Value
Maximum	20
Default	0.0
Units	dB
Tab|Panel	Port Specifics.General|Mid EVOA Attributes
Description	Hybrid amplifier port initial VOA attenuation.

(2 of 2)

Table 146-135 Initial Target Gain

Name	Value
Displayed name	Initial Target Gain
OSS name	hybridPortInitialAgcTargetGain
Type	FLOAT
Minimum	2
Maximum	20
Default	10.0
Units	dB
Tab|Panel	Port Specifics.General|Raman Amp Attributes
Description	Hybrid amplifier port initial AGC target gain.

Table 146-136 Input LOS Threshold

Name	Value
Displayed name	Input LOS Threshold
OSS name	omdPortLosThreshold
Type	FLOAT
Minimum	-32
Maximum	20
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|OMD
Description	LOS Threshold for OMD Port.

Table 146-137 Input LOS Threshold Tolerance

Name	Value
Displayed name	Input LOS Threshold Tolerance
OSS name	omdPortLosThresholdTolerance
Type	FLOAT
Minimum	0
Maximum	6
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|OMD
Description	This is the difference above the LOS set and clear points and applies to the SIG_IN of the OMD port of the SFC1, SFC2, SFC4, SFC8, SFD5, and SFD8 cards.

Table 146-138 Input Power

Name	Value
Displayed name	Input Power
OSS name	omdPortRxPower
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|OMD
Description	The measured power at the SIG_IN of the OMD port.

Table 146-139 Input Power

Name	Value
Displayed name	Input Power
OSS name	opsTxInputPower
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|OPS
Description	The received power in mBm. This is accessible from ports 2 and 3 (working or protected) exclusively.

Table 146-140 Input to Output Gain

Name	Value
Displayed name	Input to Output Gain
OSS name	ampPortInputToOutputGain
Type	FLOAT
Default	15.0
Units	dB
Tab|Panel	Port Specifics.General|Amplifier
Description	LINEOUT port of the uni-directionalamplifier Card.

Table 146-141 Input to Output Gain

Name	Value
Displayed name	Input to Output Gain
OSS name	ampPortInputToOutputGain
Type	FLOAT
Default	15.0
Units	dB
Tab|Panel	Port Specifics.General|EDFA Amp Attributes
Description	LINEOUT port of the uni-directionalamplifier Card.

Table 146-142 Input to Output Gain

Name	Value
Displayed name	Input to Output Gain
OSS name	meshPortInputToOutputGain
Type	FLOAT
Default	7.0
Units	dB
Tab|Panel	Port Specifics.General|Power
Description	OA module gain - EVOA loss - SEEPROM loss of splitter. Reports the gain from sigIn to sigOut ports of the MESH4 card.

Table 146-143 Interface Enabled

Name	Value
Displayed name	Interface Enabled
OSS name	interfaceEnabled
Type	equipment.PtpTodInterfaceEnabled
Default	0
Tab|Panel	Port Specifics.General|TOD Attributes
Description	Interface Enabled

Table 146-144 Interface ID

Name	Value
Displayed name	Interface ID
OSS name	snmpPortId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General

Table 146-145 Internal Port is Valid XC Endpoint

Name	Value
Displayed name	Internal Port is Valid XC Endpoint
OSS name	validInternalOTSXCEndPoint
Type	BOOL
Tab|Panel	Port Specifics.General|Connection
Description	Indicates if this is an end point of internal OT cross connect

Table 146-146 IP Address

Name	Value
Displayed name	IP Address
OSS name	cnIpAddr
Type	INETADDR
Default	0.0.0.0

(1 of 2)

Name	Value
Tab|Panel	Port Specifics.General|Control Network
Description	Control Network Link IpAddress.

(2 of 2)

Table 146-147 Is Primary Member

Name	Value
Displayed name	Is Primary Member
OSS name	isPrimaryLagMember
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|LAG Info

Table 146-148 J0 Format

Name	Value
Displayed name	J0 Format
OSS name	rsmonEgrTimod
Type	equipment.RsMonTimod
Default	specific16Byte
Tab|Panel	Port Specifics.General|SONET / SDH
Description	RSMON Egress TIMOD.

Table 146-149 J0 Format

Name	Value
Displayed name	J0 Format
OSS name	rsmonIngrTimod
Type	equipment.RsMonTimod
Default	specific16Byte
Tab|Panel	Port Specifics.General|CBR2G5
Description	RSMON Ingress TIMOD.

Table 146-150 J0 Format

Name	Value
Displayed name	J0 Format
OSS name	rsmonIngrTimod
Type	equipment.RsMonTimod
Default	specific16Byte
Tab|Panel	Port Specifics.General|SONET / SDH
Description	RSMON Ingress TIMOD.

Table 146-151 J0 Trace Comparision Enabled

Name	Value
Displayed name	J0 Trace Comparision Enabled
OSS name	rsmonEgrTimDet
Type	equipment.RsMonEgrTimDetection
Default	1
Tab|Panel	Port Specifics.General|SONET / SDH
Description	RSMON Egress Tim Detection.

Table 146-152 J0 Trace Comparison

Name	Value
Displayed name	J0 Trace Comparison
OSS name	rsmonIngrTimDet
Type	BOOL
Tab|Panel	Port Specifics.General|CBR2G5
Description	RSMON Ingress TIM detection.

Table 146-153 J0 Trace Comparison

Name	Value
Displayed name	J0 Trace Comparison
OSS name	rsmonIngrTimDet
Type	BOOL
Tab|Panel	Port Specifics.General|SONET / SDH

(1 of 2)

Name	Value
Description	RSMON Ingress TIM detection.

(2 of 2)

Table 146-154 J0 Trace Mismatch Response

Name	Value
Displayed name	J0 Trace Mismatch Response
OSS name	rsmonIngrTimConsAction
Type	equipment.DisabledEnabled
Tab|Panel	Port Specifics.General|SONET / SDH
Description	RSMON Ingress TIM consequence action.

Table 146-155 J0 Trace Mismatch Response Enabled

Name	Value
Displayed name	J0 Trace Mismatch Response Enabled
OSS name	rsmonEgrTimConsAction
Type	equipment.RsMonEgrTimConsAction
Default	1
Tab|Panel	Port Specifics.General|SONET / SDH
Description	RSMON Egress Tim Consequence Action.

Table 146-156 L2 Profile

Name	Value
Displayed name	L2 Profile
OSS name	l2ProfilePointer
Type	POINTER
Tab|Panel	Policies.General|L2 Profile
Description	Pointer to the L2 Profile Policy object.

Table 146-157 L2Uplink

Name	Value
Displayed name	L2Uplink

(1 of 2)

Name	Value
OSS name	isl2UplinkMode
Type	BOOL
Default	false
Tab|Panel	General|General

(2 of 2)

Table 146-158 LAG ID

Name	Value
Displayed name	LAG ID
OSS name	lagMembershipId
Type	INT
Minimum	0
Maximum	200
Default	0
Read-only	yes
Tab|Panel	General|LAG Info

Table 146-159 Laser Bias Current

Name	Value
Displayed name	Laser Bias Current
OSS name	otPortBias
Type	INT
Units	mA
Tab|Panel	Port Specifics.General|Laser
Description	OT Port Bias.

Table 146-160 Laser Temperature

Name	Value
Displayed name	Laser Temperature
OSS name	otPortTemperature
Type	INT
Units	C or F
Tab|Panel	Port Specifics.General|Laser

(1 of 2)

Name	Value
Description	OT Port Temperature.

(2 of 2)

Table 146-161 LBO

Name	Value
Displayed name	LBO
OSS name	syncEBitsPortLbo
Type	equipment.SyncEBitsPortLBO
Tab|Panel	Port Specifics.General|BITS Attributes

Table 146-162 Line Code

Name	Value
Displayed name	Line Code
OSS name	syncEBitsPortLineCode
Type	equipment.SyncEBitsPortLineCode
Tab|Panel	Port Specifics.General|BITS Attributes

Table 146-163 Line Impedance

Name	Value
Displayed name	Line Impedance
OSS name	syncEBitsPortLineImpedence
Type	equipment.SyncEImpedenceType
Tab|Panel	Port Specifics.General|BITS Attributes
Description	Line Impedance

Table 146-164 Link Integrity

Name	Value
Displayed name	Link Integrity
OSS name	cnLinkOperStatus
Type	equipment.OperStatus
Tab|Panel	Port Specifics.General|Control Network

(1 of 2)

Name	Value
Description	The Operational status of the associated physical link.

(2 of 2)

Table 146-165 Link Trap

Name	Value
Displayed name	Link Trap
OSS name	linkTrap
Type	INT
Default	disable
Tab|Panel	General|General

Table 146-166 Link Up

Name	Value
Displayed name	Link Up
OSS name	isLinkUp
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	States|General

Table 146-167 Load Balance Algorithm

Name	Value
Displayed name	Load Balance Algorithm
OSS name	loadBalanceAlgorithm
Type	equipment.PortLoadBalanceAlgorithm
Default	N/A
Tab|Panel	General|General
Description	Specifies the load balancing algorithm to be used on this port.
Enumerated types	
Default	
Exclude L4	
Include L4	
N/A	

Table 146-168 LOS Mode

Name	Value
Displayed name	LOS Mode
OSS name	ampPortLosMode
Type	equipment.PortLosMode
Tab|Panel	Port Specifics.General|Amplifier
Description	The Amplifier Port LOS Mode.

Table 146-169 LOS Propagation

Name	Value
Displayed name	LOS Propagation
OSS name	cpLosProp
Type	equipment.LosPropagation
Tab|Panel	Port Specifics.General|OT
Description	The LOS propagation of Client Port.

Table 146-170 LPT Consequent Action

Name	Value
Displayed name	LPT Consequent Action
OSS name	lptConsequenceAction
Type	equipment.LptCActionType
Default	noAction
Tab|Panel	Port Specifics.General|Ethernet
Description	Indicates the 11DPE12A port LPT Consequence Action.

Table 146-171 Manufacture Date

Name	Value
Displayed name	Manufacture Date
OSS name	manufactureDate
Type	STRING
Maximum	252
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 146-172 Manufacturer

Name	Value
Displayed name	Manufacturer
OSS name	manufacturer
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 146-173 Manufacturing Assembly No

Name	Value
Displayed name	Manufacturing Assembly No
OSS name	manufacturingAssemblyNo
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 146-174 Manufacturing Deviations

Name	Value
Displayed name	Manufacturing Deviations
OSS name	manufacturingDeviations
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 146-175 Manufacturing Variant

Name	Value
Displayed name	Manufacturing Variant

(1 of 2)

Name	Value
OSS name	manufacturingVariant
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 146-176 Mapping Mode

Name	Value
Displayed name	Mapping Mode
OSS name	mappingMode
Type	equipment.E1T1MappingModeType
Default	1
Tab|Panel	Port Specifics.General|E1/T1 Specifics
Description	Indicates the E1T1 Mapping mode

Table 146-177 Mapping Mode

Name	Value
Displayed name	Mapping Mode
OSS name	msmonMappingMode
Type	equipment.MappingMode
Tab|Panel	Port Specifics.General|CBR2G5
Description	MSMON mapping mode.

Table 146-178 Mapping Mode

Name	Value
Displayed name	Mapping Mode
OSS name	msmonMappingMode
Type	equipment.MappingMode
Tab|Panel	Port Specifics.General|SONET / SDH
Description	MSMON mapping mode.

Table 146-179 Maximum Attenuation

Name	Value
Displayed name	Maximum Attenuation
OSS name	hybridPortVoaMaxAttenuation
Type	FLOAT
Minimum	0
Maximum	20
Default	20.0
Units	dB
Tab|Panel	Port Specifics.General|Mid EVOA Attributes
Description	Hybrid amplifier port VOA maximum attenuation.

Table 146-180 Maximum Flat Gain Offset

Name	Value
Displayed name	Maximum Flat Gain Offset
OSS name	ampPortMaxFlatGainOffset
Type	FLOAT
Minimum	-5
Maximum	5
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Amplifier
Description	Provides a correction to the assumed max flat gain value.

Table 146-181 Maximum Gain

Name	Value
Displayed name	Maximum Gain
OSS name	ampPortPowerGainMax
Type	FLOAT
Minimum	6
Maximum	33
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|EDFA Amp Attributes

(1 of 2)

Name	Value
Description	Applies to the signal port of the amplifier card.

(2 of 2)

Table 146-182 Max Power Gain

Name	Value
Displayed name	Max Power Gain
OSS name	ampPortPowerGainMax
Type	FLOAT
Minimum	6
Maximum	33
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Amplifier
Description	Applies to the signal port of the amplifier card.

Table 146-183 MD5 Authentication Enabled

Name	Value
Displayed name	MD5 Authentication Enabled
OSS name	cnLinkOspfAuthentType
Type	BOOL
Tab|Panel	Port Specifics.General|OSPF
Description	Specifies whether MD5 Authentication Enabled or not.

Table 146-184 MD5 Key

Name	Value
Displayed name	MD5 Key
OSS name	cnLinkOspfAuthKey
Type	STRING
Minimum	0
Maximum	16
Tab|Panel	Port Specifics.General|OSPF
Description	Link OSPF Authentic Key.

Table 146-185 MD5 Key ID

Name	Value
Displayed name	MD5 Key ID
OSS name	cnLinkOspfAuthKeyId
Type	LONG
Minimum	1
Maximum	255
Default	1
Tab|Panel	Port Specifics.General|OSPF
Description	Link OSPF Authentic Key Id.

Table 146-186 Measured Network Output Power

Name	Value
Displayed name	Measured Network Output Power
OSS name	waveKeyEncodePresentNwOutputPower
Type	FLOAT
Minimum	-20
Maximum	4
Default	-99.0
Units	dBm
Step	0.01
Tab|Panel	Port Specifics.General|Wave Key Encode
Description	The present AC output power of the port (EVOA), measured in mBm. It is the power of the full optical signal.

Table 146-187 Minimum Attenuation

Name	Value
Displayed name	Minimum Attenuation
OSS name	hybridPortVoaMinAttenuation
Type	FLOAT
Minimum	0
Maximum	20
Default	0.0
Units	dB

(1 of 2)

Name	Value
Tab|Panel	Port Specifics.General|Mid EVOA Attributes
Description	Hybrid amplifier port VOA minimum attenuation.

(2 of 2)

Table 146-188 Minimum Gain

Name	Value
Displayed name	Minimum Gain
OSS name	ampPortPowerGainMin
Type	FLOAT
Minimum	6
Maximum	33
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|EDFA Amp Attributes
Description	Applies to the signal port of the amplifier card.

Table 146-189 Min Power Gain

Name	Value
Displayed name	Min Power Gain
OSS name	ampPortPowerGainMin
Type	FLOAT
Minimum	6
Maximum	33
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Amplifier
Description	Applies to the signal port of the amplifier card.

Table 146-190 Mnemonic

Name	Value
Displayed name	Mnemonic
OSS name	portMnemonic
Type	STRING

(1 of 2)

Name	Value
Tab|Panel	Port Specifics.General|Inventory
Description	Port Mnemonic.

(2 of 2)

Table 146-191 Mode

Name	Value
Displayed name	Mode
OSS name	mode
Type	equipment.PortMode
Default	N/A
Tab|Panel	General|General
Enumerated types	
Access	
Hybrid	
Network	
N/A	

Table 146-192 Module Temperature

Name	Value
Displayed name	Module Temperature
OSS name	hybridPortInternalModuleTemp
Type	FLOAT
Minimum	0
Maximum	20
Units	Celsius
Tab|Panel	Port Specifics.General|Raman Amp Attributes
Description	Hybrid Amplifier Port Internal Module Temperature.

Table 146-193 Module Temperature

Name	Value
Displayed name	Module Temperature
OSS name	internalAmpModuleTemp
Type	FLOAT

(1 of 2)

Name	Value
Units	Celsius
Tab|Panel	Port Specifics.General|EDFA Amp Attributes
Description	The temperature of the laser

(2 of 2)

Table 146-194 Monitored Port Connection Loss

Name	Value
Displayed name	Monitored Port Connection Loss
OSS name	apWtocmConnLoss
Type	FLOAT
Minimum	0.0
Maximum	15.0
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|General
Description	The insertion loss between the LD card MON port and the WTOCM input port.

Table 146-195 Monitored Port Tx

Name	Value
Displayed name	Monitored Port Tx
OSS name	apWtocmConnAddress
Type	POINTER
Tab|Panel	Port Specifics.General|General
Description	LD card port connected to WTOCM input port in transmit direction.

Table 146-196 MTU

Name	Value
Displayed name	MTU
OSS name	mtuValue
Type	INT
Default	0
Units	bytes
Tab|Panel	General|General

Table 146-197 Multicast From

Name	Value
Displayed name	Multicast From
OSS name	IpBroadcastFrom
Type	POINTER
Tab|Panel	Port Specifics.General|OT
Description	Broadcast From Port.

Table 146-198 Multicast To

Name	Value
Displayed name	Multicast To
OSS name	cpBroadcastTo
Type	STRING
Default	None
Tab|Panel	Port Specifics.General|OT
Description	Client Broadcast Port Map.

Table 146-199 MW Link Name

Name	Value
Displayed name	MW Link Name
OSS name	mwLinkPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|MW Link Info

Table 146-200 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|General

(2 of 2)

Table 146-201 Network Queue Policy Name

Name	Value
Displayed name	Network Queue Policy Name
OSS name	networkQueuePolicyName
Type	STRING
Minimum	1
Maximum	32
Default	default
Read-only	yes
Tab|Panel	Policies.General|Network Queue

Table 146-202 Network Weight

Name	Value
Displayed name	Network Weight
OSS name	ingressNetworkWeight
Type	INT
Minimum	0
Maximum	100
Default	50
Tab|Panel	General|Hybrid Ingress Buffer Allocation

Table 146-203 Network Weight

Name	Value
Displayed name	Network Weight
OSS name	egressNetworkWeight
Type	INT
Minimum	0
Maximum	100
Default	50
Tab|Panel	General|Hybrid Egress Buffer Allocation

Table 146-204 Next Key Info

Name	Value
Displayed name	Next Key Info
OSS name	nextKeyInfo
Type	STRING
Minimum	0
Maximum	256
Tab|Panel	Port Specifics.General|Encryption Management
Description	Port Encryption NextKey Info.

Table 146-205 Operational Mode

Name	Value
Displayed name	Operational Mode
OSS name	lpTransmissionMode
Type	equipment.TransmissionMode
Tab|Panel	Port Specifics.General|OT
Description	The transmission mode of Line Port.

Table 146-206 Operational Mode

Name	Value
Displayed name	Operational Mode
OSS name	syncEOperMode
Type	equipment.SyncEMode
Default	nonsync
Tab|Panel	Port Specifics.General|Ethernet
Description	The port Synchronous Ethernet Operation Mode.

Table 146-207 Operational Mode

Name	Value
Displayed name	Operational Mode
OSS name	rmnPortOperatingMode
Type	equipment.PortOperatingMode

(1 of 2)

Name	Value
Tab|Panel	Port Specifics.General|Power
Description	This attribute determines the operating mode.

(2 of 2)

Table 146-208 Operational Mode

Name	Value
Displayed name	Operational Mode
OSS name	rmnPortOperatingMode
Type	equipment.PortOperatingMode
Tab|Panel	Port Specifics.General|Raman Amp Attributes
Description	This attribute determines the operating mode.

Table 146-209 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	equipment.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	General|Equipment
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	

(1 of 2)

Name	Value
Unknown	
Provisioned	
Reserved	
Reset Pending	
Shutting Down	
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

(2 of 2)

Table 146-210 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	equipment.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	States|General
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	
Provisioned	

(1 of 2)

Name	Value
Reserved	
Reset Pending	
Shutting Down	
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

(2 of 2)

Table 146-211 Opposite Direction Port

Name	Value
Displayed name	Opposite Direction Port
OSS name	apOppDirectionPortAddr
Type	POINTER
Tab|Panel	Port Specifics.General|Connection
Description	Address of opposite direction port when the TX and RX directions are split between two ports.

Table 146-212 Optical Transport Channel Unit

Name	Value
Displayed name	Optical Transport Channel Unit
OSS name	otuEnable
Type	INT
Default	disable
Tab|Panel	General|DWDM

Table 146-213 OSC Mode

Name	Value
Displayed name	OSC Mode
OSS name	cnOscMode
Type	equipment.OscMode
Tab|Panel	Port Specifics.General|Control Network

(1 of 2)

Name	Value
Description	Control Network OSC mode.

(2 of 2)

Table 146-214 OSC MTU Size

Name	Value
Displayed name	OSC MTU Size
OSS name	oscSfpPortMtu
Type	INT
Minimum	576
Maximum	1500
Default	1491
Tab|Panel	Port Specifics.General|OSC / OSCSFP Attributes
Description	The MTU size for OSC interface, which to allow remote monitoring of RAMAN/EDFA devices as well remote monitoring of RAMAN/EDFA devices as well as to limit overall packet fragmentation in the network

Table 146-215 OSPF Adjacency State

Name	Value
Displayed name	OSPF Adjacency State
OSS name	cnOspfAdjacencyState
Type	equipment.OspfAdjacencyState
Tab|Panel	Port Specifics.General|OSPF
Description	OSPF Adj state.

Table 146-216 OSPF Area ID

Name	Value
Displayed name	OSPF Area ID
OSS name	ospfAreaId
Type	INETADDR
Tab|Panel	Port Specifics.General|OSPF
Description	For all OSC/GCC interfaces, it will use the same OSPF area which can be provisioned to something other than the default 0.0.0.0.

Table 146-217 OSPF Area Index

Name	Value
Displayed name	OSPF Area Index
OSS name	ospfTopologyId
Type	INT
Tab|Panel	Port Specifics.General|OSPF
Description	OSPF Port Topology Id.

Table 146-218 OSPF Routing State

Name	Value
Displayed name	OSPF Routing State
OSS name	cnOspfRoutingState
Type	equipment.RoutingState
Default	disable
Tab|Panel	Port Specifics.General|OSPF
Description	Control Network OSPF RoutingState.

Table 146-219 OTU Expected TTI

Name	Value
Displayed name	OTU Expected TTI
OSS name	otuExTti
Type	STRING
Minimum	0
Maximum	15
Tab|Panel	Port Specifics.General|OTU
Description	OTU Expected TTI.

Table 146-220 OTU Incoming RES

Name	Value
Displayed name	OTU Incoming RES
OSS name	otuIncomingRes
Type	STRING

(1 of 2)

Name	Value
Tab|Panel	Port Specifics.General|OTU
Description	This is for OTU2/OTU3 Incoming Exp

(2 of 2)

Table 146-221 OTU Incoming TTI

Name	Value
Displayed name	OTU Incoming TTI
OSS name	otuIncomingTti
Type	STRING
Tab|Panel	Port Specifics.General|OTU
Description	OTU incoming TTI.

Table 146-222 OTU Rate

Name	Value
Displayed name	OTU Rate
OSS name	otuRate
Type	equipment.OtuRate
Units	Gbps
Tab|Panel	Port Specifics.General|OTU
Description	OCH OTU Rate.

Table 146-223 OTU Transmitted TTI

Name	Value
Displayed name	OTU Transmitted TTI
OSS name	otuTxTti
Type	STRING
Minimum	0
Maximum	15
Tab|Panel	Port Specifics.General|OTU
Description	OTU Transmitted TTI.

Table 146-224 OTU TTI Comparison

Name	Value
Displayed name	OTU TTI Comparison
OSS name	otuTimDetMode
Type	equipment.TimDetectionMode
Tab|Panel	Port Specifics.General|OTU
Description	OTU TIM detection mode.

Table 146-225 OTU TTI Mismatch Response

Name	Value
Displayed name	OTU TTI Mismatch Response
OSS name	otuTimConsAction
Type	equipment.TimConsAction
Tab|Panel	Port Specifics.General|OTU
Description	OTU TIM consequence action.

Table 146-226 OTU TTI Status

Name	Value
Displayed name	OTU TTI Status
OSS name	otuTtiStatus
Type	equipment.TtiStatus
Tab|Panel	Port Specifics.General|OTU
Description	OTU TTI status.

Table 146-227 Outgoing Quality Level

Name	Value
Displayed name	Outgoing Quality Level
OSS name	outGoingQualityLevel
Type	equipment.OutQualityLevel
Default	act
Tab|Panel	Port Specifics.General|Ethernet
Description	The port SSM/Quality Level Transmission value.

Table 146-228 Output LOS Threshold

Name	Value
Displayed name	Output LOS Threshold
OSS name	omdPortLosOutThreshold
Type	FLOAT
Minimum	-32
Maximum	20
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|OMD
Description	Applies to the SIG_OUT of the OMD port of the SFD5 and SFD8 cards.

Table 146-229 Output LOS Threshold Tolerance

Name	Value
Displayed name	Output LOS Threshold Tolerance
OSS name	omdPortLosOutThresholdTolerance
Type	FLOAT
Minimum	0
Maximum	6
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|OMD
Description	This is the difference above the LOS set and clear points and applies to the SIG_out of the OMD port of the SFD5 and SFD8 cards.

Table 146-230 Output Power

Name	Value
Displayed name	Output Power
OSS name	omdPortTxPower
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|OMD
Description	The measured power at the SIG_OUT of the OMD port.

Table 146-231 Output VOA Setting

Name	Value
Displayed name	Output VOA Setting
OSS name	ampPortVoaSet
Type	FLOAT
Minimum	0
Maximum	18
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Amplifier
Description	LINEOUT port of the uni-directional amplifier Card.

Table 146-232 Output VOA Setting

Name	Value
Displayed name	Output VOA Setting
OSS name	ampPortVoaSet
Type	FLOAT
Minimum	0
Maximum	18
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|EDFA Amp Attributes
Description	LINEOUT port of the uni-directional amplifier Card.

Table 146-233 Part Number

Name	Value
Displayed name	Part Number
OSS name	manufacturerBoardNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 146-234 Per-Channel Input Power

Name	Value
Displayed name	Per-Channel Input Power
OSS name	wkPortChannelIngressPower
Type	FLOAT
Minimum	-30
Maximum	11
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Power
Description	Common Ingress Power. This is the per channel default ingress power.

Table 146-235 Per-Channel Input Power Deviation

Name	Value
Displayed name	Per-Channel Input Power Deviation
OSS name	wkPortChPowerDeviationIn
Type	FLOAT
Minimum	0
Maximum	10
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Power
Description	Default Deviation In.

Table 146-236 Per-Channel Output Power

Name	Value
Displayed name	Per-Channel Output Power
OSS name	wkPortChannelEgressPower
Type	FLOAT
Minimum	-30
Maximum	11
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|EDFA Amp Attributes

(1 of 2)

Name	Value
Description	Common Egress Power. This is the per channel default egress power.

(2 of 2)

Table 146-237 Per-Channel Output Power

Name	Value
Displayed name	Per-Channel Output Power
OSS name	wkPortChannelEgressPower
Type	FLOAT
Minimum	-30
Maximum	11
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Power
Description	Common Egress Power. This is the per channel default egress power.

Table 146-238 Per-Channel Output Power Deviation

Name	Value
Displayed name	Per-Channel Output Power Deviation
OSS name	wkPortChPowerDeviationOut
Type	FLOAT
Minimum	0
Maximum	10
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|EDFA Amp Attributes
Description	Default Deviation Out.

Table 146-239 Per-Channel Output Power Deviation

Name	Value
Displayed name	Per-Channel Output Power Deviation
OSS name	wkPortChPowerDeviationOut
Type	FLOAT
Minimum	0

(1 of 2)

Name	Value
Maximum	10
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Power
Description	Default Deviation Out.

(2 of 2)

Table 146-240 Physical State Change Count

Name	Value
Displayed name	Physical State Change Count
OSS name	stateChangeCount
Type	INT
Default	0
Tab|Panel	General|General
Description	This property indicates the number of times a physical port state has changed from 'linkDown (3)' to either 'linkUp (4)' or 'up (5)' and from either 'linkUp (4)' or 'up (5)' to 'linkDown (3)'. The count does not include transitions between 'linkUp (4)' and 'up (5)'. This counter is applicable to physical Ethernet ports only. All other ports maintain a count of 0.

Table 146-241 Pluggable Module Temperature

Name	Value
Displayed name	Pluggable Module Temperature
OSS name	oscSfpPortTemperature
Type	INT
Tab|Panel	Port Specifics.General|OSC / OSCSFP Attributes
Description	The current temperature of the Osc Sfp.

Table 146-242 Pluggable Module Type

Name	Value
Displayed name	Pluggable Module Type
OSS name	portXfpType
Type	equipment.XfpType
Tab|Panel	Port Specifics.General|General

(1 of 2)

Name	Value
Description	The programmed XFP or SFP type.

(2 of 2)

Table 146-243 Port AINS

Name	Value
Displayed name	Port AINS
OSS name	apAins
Type	BOOL
Tab|Panel	Port Specifics.General|AINS
Description	If the user has set Port AINS to true, the port admin state is set to up by the system. If the port admin state has been set up or down, Port AINS is set to false by the system, unless the user had specified admin up and Port AINS true. Disabling Port AINS against a client port of an OT card may result in disabling Port AINS against the line port of that OT card.

Table 146-244 Port Group

Name	Value
Displayed name	Port Group
OSS name	portGroupPointer
Type	POINTER
Tab|Panel	Port Specifics.General|General

Table 146-245 Port Role

Name	Value
Displayed name	Port Role
OSS name	portRole
Type	equipment.PortRole
Default	notApplicable
Tab|Panel	Port Specifics.General|General
Description	Specifies the role (client/line) for the port.

Table 146-246 Port Role

Name	Value
Displayed name	Port Role
OSS name	terminationPointRole
Type	equipment.TerminationPointRole
Default	unspecified
Tab|Panel	Port Specifics.General|General
Description	Used for the GUI only.

Table 146-247 Port Scheduler Policy

Name	Value
Displayed name	Port Scheduler Policy
OSS name	portSchedulerPolicyObjectPointer
Type	POINTER
Tab|Panel	Policies.General|Port Scheduler
Description	Specifies the port scheduler policy used by this port

Table 146-248 Port TCA Profile

Name	Value
Displayed name	Port TCA Profile
OSS name	portTCAProfilePointer
Type	POINTER
Tab|Panel	Port Specifics.Performance.Ethernet TCA Profile Assignment|General

Table 146-249 Port Usage

Name	Value
Displayed name	Port Usage
OSS name	portUsage
Type	INT
Default	0
Tab|Panel	General|Port Usage

Table 146-250 Post-Compensated Tilt Percentage

Name	Value
Displayed name	Post-Compensated Tilt Percentage
OSS name	powerMgmtIngressSRSTiltPostFraction
Type	INT
Minimum	0
Maximum	300
Default	0
Tab|Panel	Port Specifics.General|Dynamic Tilt Adjustment
Description	Used to modify the fraction of upstream span SRS tilt post compensated. Current configurable range: 0 to 300.

Table 146-251 Post-FEC BER

Name	Value
Displayed name	Post-FEC BER
OSS name	otuPostFecBER
Type	STRING
Tab|Panel	Port Specifics.General|OTU
Description	This is for OTU4 FEC Mode.

Table 146-252 Power Gain

Name	Value
Displayed name	Power Gain
OSS name	ampPortPowerGain
Type	FLOAT
Minimum	6
Maximum	33
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Amplifier
Description	Applies to the signal port of the amplifier card.

Table 146-253 Power Management Type

Name	Value
Displayed name	Power Management Type
OSS name	powerMgmtTypeOut
Type	equipment.PowerMgmtType
Tab|Panel	Port Specifics.General|Power
Description	The type of power management egress.

Table 146-254 PPS Status

Name	Value
Displayed name	PPS Status
OSS name	ppsStatus
Type	equipment.PtpTodPPSStatus
Default	0
Tab|Panel	Port Specifics.General|TOD Attributes
Description	Direction

Table 146-255 Pre-Compensated Tilt Percentage

Name	Value
Displayed name	Pre-Compensated Tilt Percentage
OSS name	powerMgmtEgressSRSTiltPreFraction
Type	INT
Minimum	0
Maximum	300
Default	0
Tab|Panel	Port Specifics.General|Dynamic Tilt Adjustment
Description	This is used to modify the fraction of following span SRS tilt pre compensated. Current configurable range: 0 to 300.

Table 146-256 Pre-FEC BER

Name	Value
Displayed name	Pre-FEC BER
OSS name	otuPreFecBER

(1 of 2)

Name	Value
Type	STRING
Tab|Panel	Port Specifics.General|OTU
Description	This is for OTU4 FEC Mode.

(2 of 2)

Table 146-257 Present Duplex Mode

Name	Value
Displayed name	Present Duplex Mode
OSS name	dot3StatsDuplexStatus
Type	equipment.Duplex
Default	full
Tab|Panel	Port Specifics.General|Control Network
Description	Defines the current mode of operation of the MAC entity. 'unknown' indicates that the current duplex mode could not be determined. Management control of the duplex mode is accomplished through the MAU MIB. When an interface does not support autonegotiation, or when autonegotiation is not enabled, the duplex mode is controlled using ifMauDefaultType. When autonegotiation is supported and enabled, duplex mode is controlled using ifMauAutoNegAdvertisedBits. In either case, the currently operating duplex mode is reflected both in this object and in ifMauType. Note that this object provides redundant information with ifMauType. Normally, redundant objects are discouraged. However, in this instance, it allows a management application to determine the duplex status of an interface without having to know every possible value of ifMauType. This was felt to be sufficiently valuable to justify the redundancy.

Table 146-258 Present Link Speed

Name	Value
Displayed name	Present Link Speed
OSS name	portSpeed
Type	INT
Default	100
Units	Mbps
Tab|Panel	Port Specifics.General|Control Network
Description	Duplicated from OpticalPortSpecifics

Table 146-259 Previous State

Name	Value
Displayed name	Previous State

(1 of 2)

Name	Value
OSS name	previousState
Type	equipment.PortState
Default	1
Read-only	yes
Tab|Panel	States|General
Enumerated types	
Diagnose	
Ghost	
Link Down	
Link Up	
None	
Up	

(2 of 2)

Table 146-260 Protection Time Slot

Name	Value
Displayed name	Protection Time Slot
OSS name	protectionTimeSlot
Type	STRING
Tab|Panel	Port Specifics.General|OT
Description	This is for 11dpge12, string built using protTs1 and protTs2 values.

Table 146-261 Provisioned Duplex Mode

Name	Value
Displayed name	Provisioned Duplex Mode
OSS name	cnLinkDuplex
Type	equipment.Duplex
Default	auto
Tab|Panel	Port Specifics.General|Control Network
Description	Control Network Link Duplex.

Table 146-262 Provisioned Link Speed

Name	Value
Displayed name	Provisioned Link Speed
OSS name	cnLinkSpeed
Type	equipment.LinkSpeed
Default	auto
Tab|Panel	Port Specifics.General|Control Network
Description	Control Network Link Speed.

Table 146-263 Proxy ARP

Name	Value
Displayed name	Proxy ARP
OSS name	cnProxyArp
Type	BOOL
Tab|Panel	Port Specifics.General|Control Network
Description	Control Network Proxy Arp configured.

Table 146-264 Pulse Format

Name	Value
Displayed name	Pulse Format
OSS name	pulseFormat
Type	equipment.PtpTodPulseFormat
Default	0
Tab|Panel	Port Specifics.General|TOD Attributes
Description	Direction

Table 146-265 Pump 1 Power

Name	Value
Displayed name	Pump 1 Power
OSS name	rmnPump1Power
Type	INT
Minimum	0

(1 of 2)

Name	Value
Maximum	400
Units	mW
Tab|Panel	Port Specifics.General|Power
Description	The Pump1 Power for LineIn.

(2 of 2)

Table 146-266 Pump 1 Power

Name	Value
Displayed name	Pump 1 Power
OSS name	rmnPump1Power
Type	INT
Minimum	0
Maximum	400
Units	mW
Tab|Panel	Port Specifics.General|Raman Amp Attributes
Description	The Pump1 Power for LineIn.

Table 146-267 Pump 2 Power

Name	Value
Displayed name	Pump 2 Power
OSS name	rmnPump2Power
Type	INT
Minimum	0
Maximum	400
Units	mW
Tab|Panel	Port Specifics.General|Power
Description	The Pump2 Power for LineIn.

Table 146-268 Pump 2 Power

Name	Value
Displayed name	Pump 2 Power
OSS name	rmnPump2Power
Type	INT

(1 of 2)

Name	Value
Minimum	0
Maximum	400
Units	mW
Tab|Panel	Port Specifics.General|Raman Amp Attributes
Description	The Pump2 Power for LineIn.

(2 of 2)

Table 146-269 Queue 1

Name	Value
Displayed name	Queue 1
OSS name	portStatsQueue1PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 146-270 Queue 2

Name	Value
Displayed name	Queue 2
OSS name	portStatsQueue2PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 146-271 Queue 3

Name	Value
Displayed name	Queue 3
OSS name	portStatsQueue3PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 146-272 Queue 4

Name	Value
Displayed name	Queue 4
OSS name	portStatsQueue4PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 146-273 Queue 5

Name	Value
Displayed name	Queue 5
OSS name	portStatsQueue5PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 146-274 Queue 6

Name	Value
Displayed name	Queue 6
OSS name	portStatsQueue6PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 146-275 Queue 7

Name	Value
Displayed name	Queue 7
OSS name	portStatsQueue7PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

3HE 08857 AAAA TQZZA Edition 01

Table 146-276 Queue 8

Name	Value
Displayed name	Queue 8
OSS name	portStatsQueue8PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 146-277 Reason Down

Name	Value
Displayed name	Reason Down
OSS name	reasonDown
Type	LONG
Default	no
Read-only	yes
Tab|Panel	States|General
Description	Indicates why a port may be in the operationally 'down' state.

Table 146-278 Receive Frequency

Name	Value
Displayed name	Receive Frequency
OSS name	nwPortChannelRx
Type	equipment.ITUChannel
Tab|Panel	Port Specifics.General|OT
Description	The Rx Port ITU channel.

Table 146-279 Receive Lane Powers

Name	Value
Displayed name	Receive Lane Powers
OSS name	otPortRxLanePowers
Type	STRING
Tab|Panel	Port Specifics.General|OT

(1 of 2)

Name	Value
Description	CFP receive lane powers for the number of lanes supported by a CFP type.

(2 of 2)

Table 146-280 Receive Power

Name	Value
Displayed name	Receive Power
OSS name	otPortRxPower
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|General Attributes
Description	OT RX power.

Table 146-281 Receive Power

Name	Value
Displayed name	Receive Power
OSS name	otPortRxPower
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|OT
Description	OT RX power.

Table 146-282 Redistribute

Name	Value
Displayed name	Redistribute
OSS name	redistribute
Type	equipment.RedistributeEnabled
Default	disable
Tab|Panel	Port Specifics.General|Control Network
Description	Redistribute state.

Table 146-283 Regen Response

Name	Value
Displayed name	Regen Response
OSS name	regenResponse
Type	equipment.LosPropagation
Tab|Panel	Port Specifics.General|OTU
Description	Regen Response.

Table 146-284 Repair Margin

Name	Value
Displayed name	Repair Margin
OSS name	ampPortPowerSpanRepairMargin
Type	FLOAT
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Amplifier
Description	EPT - splice margin.

Table 146-285 Repair Margin

Name	Value
Displayed name	Repair Margin
OSS name	ampPortPowerSpanRepairMargin
Type	FLOAT
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|EDFA Amp Attributes
Description	EPT - splice margin.

Table 146-286 Router Priority

Name	Value
Displayed name	Router Priority
OSS name	cnRtrPriority

(1 of 2)

Name	Value
Type	LONG
Minimum	0
Maximum	255
Tab|Panel	Port Specifics.General|OSPF
Description	The router priority of the link.

(2 of 2)

Table 146-287 Rx Decision Threshold Voltage Adjustment

Name	Value
Displayed name	Rx Decision Threshold Voltage Adjustment
OSS name	rxdtvAdjust
Type	BOOL
Default	true
Tab|Panel	General|DWDM

Table 146-288 SA Bit

Name	Value
Displayed name	SA Bit
OSS name	syncEBitsPortSaBit
Type	equipment.SyncEBitsPortSABit
Tab|Panel	Port Specifics.General|BITS Attributes
Description	SA Bit

Table 146-289 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	serialNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 146-290 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	portSerialNum
Type	STRING
Tab|Panel	Port Specifics.General|Inventory
Description	Port Serial Number.

Table 146-291 Serial Type

Name	Value
Displayed name	Serial Type
OSS name	serialType
Type	equipment.SerialType
Default	rs232
Tab|Panel	General|General

Table 146-292 Service Launch Attenuation Offset

Name	Value
Displayed name	Service Launch Attenuation Offset
OSS name	powerMgmtEgressLHLaunchAtten
Type	FLOAT
Minimum	0.0
Maximum	10.0
Units	dB
Tab|Panel	Port Specifics.General|Power
Description	Added to the nominal attenuation lookup by WSS containing pack. Only applies to connectivity block in directionless architecture. Current configurable range: 0 to 1000

Table 146-293 Signal Degrade Threshold

Name	Value
Displayed name	Signal Degrade Threshold
OSS name	ampPortSignalDegradeThreshold

(1 of 2)

Name	Value
Type	equipment.PortSignalDegradeThreshold
Tab|Panel	Port Specifics.General|OSC / OSCSFP Attributes
Description	Integer range 5 to 9, representing 10**5 to 10**9.

(2 of 2)

Table 146-294 Signal Degrade Threshold

Name	Value
Displayed name	Signal Degrade Threshold
OSS name	msmonPortDegThLevel
Type	equipment.MsmonSDTH
Tab|Panel	Port Specifics.General|CBR2G5
Description	BER Threshold for SD defect (SDTH).

Table 146-295 Signal Degrade Threshold

Name	Value
Displayed name	Signal Degrade Threshold
OSS name	msmonPortDegThLevel
Type	equipment.MsmonSDTH
Tab|Panel	Port Specifics.General|SONET / SDH
Description	BER Threshold for SD defect (SDTH).

Table 146-296 Signal Failure Threshold

Name	Value
Displayed name	Signal Failure Threshold
OSS name	ampPortSignalFailThreshold
Type	equipment.PortSignalFailThreshold
Tab|Panel	Port Specifics.General|OSC / OSCSFP Attributes
Description	Integer range 4 to 5, representing 10**4 to 10**5.

Table 146-297 Signal Failure Threshold

Name	Value
Displayed name	Signal Failure Threshold
OSS name	msmonExcThLevel
Type	equipment.MsmonSFTH
Tab|Panel	Port Specifics.General|CBR2G5
Description	BER Threshold for excessive BER defect (SFTH).

Table 146-298 Signal Failure Threshold

Name	Value
Displayed name	Signal Failure Threshold
OSS name	msmonExcThLevel
Type	equipment.MsmonSFTH
Tab|Panel	Port Specifics.General|SONET / SDH
Description	BER Threshold for excessive BER defect (SFTH).

Table 146-299 Signal Mode

Name	Value
Displayed name	Signal Mode
OSS name	rsmonEgrSigMode
Type	equipment.RsMonSigMode
Tab|Panel	Port Specifics.General|SONET / SDH
Description	RSMON Egress Port signal mode.

Table 146-300 Signal Mode

Name	Value
Displayed name	Signal Mode
OSS name	rsmonIngrSigMode
Type	equipment.RsMonSigMode
Tab|Panel	Port Specifics.General|SONET / SDH
Description	RSMON Ingress signal mode.

Table 146-301 Signal Output Power

Name	Value
Displayed name	Signal Output Power
OSS name	ampPortSignalPowerOut
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Amplifier
Description	The total input power plus the programmed gain. Applies to the signal port of the amplifier card

Table 146-302 Signal Output Power

Name	Value
Displayed name	Signal Output Power
OSS name	ampPortSignalPowerOut
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|EDFA Amp Attributes
Description	The total input power plus the programmed gain. Applies to the signal port of the amplifier card

Table 146-303 Signal Output Power

Name	Value
Displayed name	Signal Output Power
OSS name	meshPortSignalPowerOut
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Power
Description	The total input power plus the programmed gain. Applies to the output port of the mesh card.

Table 146-304 Signal Output Power

Name	Value
Displayed name	Signal Output Power
OSS name	rmnPortSignalPowerOut
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Power
Description	The signal power out of the Raman LINEOUT port.

Table 146-305 Signal Output Power

Name	Value
Displayed name	Signal Output Power
OSS name	rmnPortSignalPowerOut
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Raman Amp Attributes
Description	The signal power out of the Raman LINEOUT port.

Table 146-306 Signal Type

Name	Value
Displayed name	Signal Type
OSS name	syncEBitsPortSigType
Type	equipment.SyncEBitsPortSigType
Tab|Panel	Port Specifics.General|BITS Attributes
Description	Signal type for PTP BIT

Table 146-307 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId

(1 of 2)

Name	Value
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Equipment

(2 of 2)

Table 146-308 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Equipment

Table 146-309 Software Part Number

Name	Value
Displayed name	Software Part Number
OSS name	portSoftwarePartNum
Type	STRING
Tab|Panel	Port Specifics.General|Inventory

Table 146-310 Source IP

Name	Value
Displayed name	Source IP
OSS name	cnLinkAutoStateSourceIP
Type	INETADDR
Default	0.0.0.0
Tab|Panel	Port Specifics.General|Auto-Disable port Status
Description	A source IP address that the system shall monitor when cnLinkCitAutoStateCtrl is true.

Table 146-311 Span Loss Tilt

Name	Value
Displayed name	Span Loss Tilt
OSS name	powerMgmtPortFiberSpanTilt
Type	FLOAT
Minimum	0.0
Maximum	3.0
Units	dB
Tab|Panel	Port Specifics.General|Power
Description	Linear fit of attenuation vs FREQ across defined channel min, max for tnPowerMgmtFiberSpanTiltPreComp.Current configurable range:0 to 300.

Table 146-312 SPB Service Mode

Name	Value
Displayed name	SPB Service Mode
OSS name	spbServicePortMode
Type	INT
Default	2
Tab|Panel	General|Service Access Info
Description	This property is specific to AOS family

Table 146-313 Specific Description

Name	Value
Displayed name	Specific Description
OSS name	apDesc
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	Port Specifics.General|General
Description	Port Description.

Table 146-314 Speed

Name	Value
Displayed name	Speed
OSS name	speed
Type	equipment.Speed
Default	0
Units	Mbps
Tab|Panel	General|General
Enumerated types	
Auto Speed	
10	
100	
1000	
10000	
100000	
25000	
40000	
Line Rate	
Not Applicable	
Not Available	
OC12	
OC192	
OC3	
OC48	
OC768	
56 kbit/s	
64 kbit/s	
Max100	
Max1000	

Table 146-315 Splice Margin

Name	Value
Displayed name	Splice Margin
OSS name	ampPortPowerGainBackoff
Type	FLOAT
Minimum	0

(1 of 2)

Name	Value
Maximum	10
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Amplifier
Description	The adjustment made to min/max gain by power management when commissioning.

(2 of 2)

Table 146-316 Splice Margin

Name	Value
Displayed name	Splice Margin
OSS name	ampPortPowerGainBackoff
Type	FLOAT
Minimum	0
Maximum	10
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|EDFA Amp Attributes
Description	The adjustment made to min/max gain by power management when commissioning.

Table 146-317 Split Horizon Group

Name	Value
Displayed name	Split Horizon Group
OSS name	portShgPointer
Type	POINTER
Tab|Panel	General|General

Table 146-318 State

Name	Value
Displayed name	State
OSS name	encryptionState
Type	equipment.EncryptionOnOff
Default	2

(1 of 2)

Name	Value
Tab|Panel	Port Specifics.General|Encryption Management
Description	The encryption status.

(2 of 2)

Table 146-319 State

Name	Value
Displayed name	State
OSS name	state
Type	equipment.PortState
Default	1
Read-only	yes
Tab|Panel	States|General
Enumerated types	
Diagnose	
Ghost	
Link Down	
Link Up	
None	
Up	

Table 146-320 State Qualifier

Name	Value
Displayed name	State Qualifier
OSS name	apStateQualifier
Type	equipment.StateQualifier
Tab|Panel	Port Specifics.General|General
Description	State Qualifier of the Port.

Table 146-321 Status

Name	Value
Displayed name	Status
OSS name	sfpStatus
Type	equipment.PortSfpStatus

(1 of 2)

Name	Value
Default	Not Equipped
Read-only	yes
Tab|Panel	General|Media Adaptor
Enumerated types	
Data Corrupt	
DDM Corrupt	
Not Equipped	
Operational	
Read Error	
SFP Unsupported	

(2 of 2)

Table 146-322 Status

Name	Value
Displayed name	Status
OSS name	compositeEquipmentState
Type	equipment.CompositeEquipmentState
Default	N/A
Read-only	yes
Tab|Panel	States|General
Enumerated types	
Parent Admin Down	
Parent In Test	
Parent Type Mismatch	
Parent Removed	
Parent Oper Down	
Admin Down	
In Test	
Type Mismatch	
Removed	
Oper Down	
N/A	
OK	
Link Down	

Table 146-323 Status LED

Name	Value
Displayed name	Status LED
OSS name	apLEDStatus
Type	STRING
Tab|Panel	Port Specifics.General|General
Description	apLEDStatus is built using apLEDColor and apLEDState

Table 146-324 Subnet Mask

Name	Value
Displayed name	Subnet Mask
OSS name	cnSubnetMask
Type	INETADDR
Default	0.0.0.0
Tab|Panel	Port Specifics.General|Control Network
Description	Control Network Link SubnetMask.

Table 146-325 Subrack Connection

Name	Value
Displayed name	Subrack Connection
OSS name	mptSubrackPointer
Type	POINTER
Default	no
Tab|Panel	General|Port Usage
Description	specifies where the MPT is connected to on the subrack

Table 146-326 SVLAN Tag Protocol ID

Name	Value
Displayed name	SVLAN Tag Protocol ID
OSS name	sVLANTagProtocolTPId
Type	equipment.QinQTPId
Default	qinqtpid1

(1 of 2)

Name	Value
Tab|Panel	Port Specifics.General|Ethernet
Description	The QinQ mode TPID for 11DPE12E port.

(2 of 2)

Table 146-327 Switching Threshold

Name	Value
Displayed name	Switching Threshold
OSS name	opsSwitchingThreshold
Type	FLOAT
Minimum	-32
Maximum	5
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|OPS
Description	If the power drops below this threshold, a protection switch will be executed. This is accessible from ports 2 and 3 (working or protected) exclusively.

Table 146-328 Switching Threshold Calculation Mode

Name	Value
Displayed name	Switching Threshold Calculation Mode
OSS name	opsSwitchingThreshCalcControl
Type	equipment.ThresholdCalcControl
Tab|Panel	Port Specifics.General|OPS
Description	Indicates if the OPSA switch threshold is calculated by the NE (auto) or set by the user (manual) - applies to ports 2 and 3 (A and B) of the OPSA card.

Table 146-329 Switching Threshold Tolerance

Name	Value
Displayed name	Switching Threshold Tolerance
OSS name	opsSwitchingThreshTolerance
Type	FLOAT
Minimum	0
Maximum	5
Default	-99.0

(1 of 2)

Name	Value
Units	dB
Tab|Panel	Port Specifics.General|OPS
Description	The tolerance applied to the port switching threshold. This is accessible from ports 2 and 3 (working or protected) exclusively.

(2 of 2)

Table 146-330 Target Gain

Name	Value
Displayed name	Target Gain
OSS name	rmnPortAgcTargetGain
Type	FLOAT
Minimum	2
Maximum	20
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Power
Description	The AGC mode target gain.

Table 146-331 Target Gain

Name	Value
Displayed name	Target Gain
OSS name	rmnPortAgcTargetGain
Type	FLOAT
Minimum	2
Maximum	20
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Raman Amp Attributes
Description	The AGC mode target gain.

Table 146-332 Target Tilt

Name	Value
Displayed name	Target Tilt

(1 of 2)

Name	Value
OSS name	ampPortTargetTilt
Type	FLOAT
Minimum	-3
Maximum	0
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Amplifier
Description	EPT - Tilt.

(2 of 2)

Table 146-333 Target Tilt

Name	Value
Displayed name	Target Tilt
OSS name	ampPortTargetTilt
Type	FLOAT
Minimum	-3
Maximum	0
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|EDFA Amp Attributes
Description	EPT - Tilt.

Table 146-334 Target Tilt

Name	Value
Displayed name	Target Tilt
OSS name	rmnPortTiltTarget
Type	FLOAT
Minimum	-3
Maximum	3
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|Power
Description	The tilt target.

Table 146-335 Terminal Loopback

Name	Value
Displayed name	Terminal Loopback
OSS name	terminalLoopback
Type	BOOL
Tab|Panel	Port Specifics.General|Test/Analysis
Description	Terminal Loopback.

Table 146-336 Test Signal Loopback

Name	Value
Displayed name	Test Signal Loopback
OSS name	testSignalLoopback
Type	BOOL
Tab|Panel	Port Specifics.General|Test/Analysis
Description	Test Signal Loopback.

Table 146-337 Tilt Adjust Egress Result

Name	Value
Displayed name	Tilt Adjust Egress Result
OSS name	powerMgmtEgressSRSTiltAdjResult
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	Port Specifics.General|Dynamic Tilt Adjustment
Description	Result string describing outcome of the tilt adjustment.

Table 146-338 Tilt Adjust Egress Status

Name	Value
Displayed name	Tilt Adjust Egress Status
OSS name	powerMgmtEgressSRSTiltAdjStatus
Type	equipment.PowerAdjStatus
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	Port Specifics.General|Dynamic Tilt Adjustment
Description	Status of the tilt adjustment.

(2 of 2)

Table 146-339 Tilt Adjust Ingress Result

Name	Value
Displayed name	Tilt Adjust Ingress Result
OSS name	powerMgmtIngressSRSTiltAdjResult
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	Port Specifics.General|Dynamic Tilt Adjustment
Description	Result string describing outcome of the tilt adjustment.

Table 146-340 Tilt Adjust Ingress Status

Name	Value
Displayed name	Tilt Adjust Ingress Status
OSS name	powerMgmtIngressSRSTiltAdjStatus
Type	equipment.PowerAdjStatus
Read-only	yes
Tab|Panel	Port Specifics.General|Dynamic Tilt Adjustment
Description	Status of the tilt adjustment.

Table 146-341 Tilt Calculation Coefficient

Name	Value
Displayed name	Tilt Calculation Coefficient
OSS name	powerMgmtEgressSRSTiltCalcACoeff
Type	INT
Minimum	0
Maximum	10000
Default	0
Tab|Panel	Port Specifics.General|Dynamic Tilt Adjustment

(1 of 2)

Name	Value
Description	Modeling coefficient for the SRSTilt = A*Pout(mW) equation. Current configurable range: 0 to 10000.

(2 of 2)

Table 146-342 Tilt Calculation Coefficient for DCM

Name	Value
Displayed name	Tilt Calculation Coefficient for DCM
OSS name	ampPortSRSTiltACoeffDCM
Type	INT
Minimum	0
Maximum	10000
Default	0
Tab|Panel	Port Specifics.General|Amplifier
Description	Modeling coefficient for the SRSTilt .

Table 146-343 Tilt Calculation Multiplier

Name	Value
Displayed name	Tilt Calculation Multiplier
OSS name	powerMgmtEgressSRSTiltCalcMultiplier
Type	INT
Minimum	0
Maximum	300
Default	100
Tab|Panel	Port Specifics.General|Dynamic Tilt Adjustment
Description	This is used to modify the calculated SRS tilt of the span. Current configurable range: 0 to 300.

Table 146-344 Tilt Calculation Offset

Name	Value
Displayed name	Tilt Calculation Offset
OSS name	powerMgmtEgressSRSTiltCalcOffset
Type	FLOAT
Minimum	0.0
Maximum	50.0

(1 of 2)

Name	Value
Default	0
Units	dB
Tab|Panel	Port Specifics.General|Dynamic Tilt Adjustment
Description	Indicates if the LD setting has been offset to compensate downstream TiltMismatch. Range: -500 to 500.

(2 of 2)

Table 146-345 Time Offset Past Hour

Name	Value
Displayed name	Time Offset Past Hour
OSS name	powerMgmtPortGainAdjSchedBase
Type	STRING
Units	HH:MM:SS
Tab|Panel	Port Specifics.General|Gain Adjustment Settings
Description	This is used to enter the base period past the hour for scheduled ingress adjustments. The unit is in 100s of ms. Value of -1 means not configured. Current configurable range: -1 to 863999.

Table 146-346 Time Period Between Adjustments

Name	Value
Displayed name	Time Period Between Adjustments
OSS name	powerMgmtPortGainAdjTimerPeriod
Type	STRING
Units	HH:MM:SS
Tab|Panel	Port Specifics.General|Gain Adjustment Settings
Description	This is used to enter the timer length between enablements for the OMS section. The unit is in 100s of ms. Value of -1 means not configured. Current configurable range: -1 to 863999.

Table 146-347 ToD Format

Name	Value
Displayed name	ToD Format
OSS name	todFormat
Type	equipment.PtpTodFormat
Default	0

(1 of 2)

Name	Value
Tab|Panel	Port Specifics.General|TOD Attributes
Description	Direction

(2 of 2)

Table 146-348 ToD Status

Name	Value
Displayed name	ToD Status
OSS name	todStatus
Type	equipment.PtpTodStatus
Default	1
Tab|Panel	Port Specifics.General|TOD Attributes
Description	Direction

Table 146-349 Total Input Power

Name	Value
Displayed name	Total Input Power
OSS name	rmnPortTotalPowerIn
Type	FLOAT
Minimum	-99
Maximum	16
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Raman Amp Attributes
Description	The total power into the Raman LINEIN port.

Table 146-350 Total Input Power

Name	Value
Displayed name	Total Input Power
OSS name	ampPortDCMInPower
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Amplifier

(1 of 2)

Name	Value
Description	DCM In port of the amplifier card. -9900 indicates No Measured Power.

(2 of 2)

Table 146-351 Total Input Power

Name	Value
Displayed name	Total Input Power
OSS name	wkPortNwPowerIn
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|EDFA Amp Attributes
Description	The total ingress power of the optical signal.

Table 146-352 Total Input Power

Name	Value
Displayed name	Total Input Power
OSS name	wkPortNwPowerIn
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Power
Description	The total ingress power of the optical signal.

Table 146-353 Total Input Power

Name	Value
Displayed name	Total Input Power
OSS name	wtocmPortInfoPower
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Power
Description	The total power into the WTOCM IN port.

Table 146-354 Total Input Power

Name	Value
Displayed name	Total Input Power
OSS name	rmnPortTotalPowerIn
Type	FLOAT
Minimum	-99
Maximum	16
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Power
Description	The total power into the Raman LINEIN port.

Table 146-355 Total Output Power

Name	Value
Displayed name	Total Output Power
OSS name	rmnPortTotalPowerOut
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Power
Description	The total power out of the Raman LINEOUT port.

Table 146-356 Total Output Power

Name	Value
Displayed name	Total Output Power
OSS name	rmnPortTotalPowerOut
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Raman Amp Attributes
Description	The total power out of the Raman LINEOUT port.

Table 146-357 Total Output Power

Name	Value
Displayed name	Total Output Power
OSS name	meshPortPowerOut
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Power
Description	The total output power. Applies to the output port of the mesh card.

Table 146-358 Total Output Power

Name	Value
Displayed name	Total Output Power
OSS name	ampPortDCMOutPower
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Amplifier
Description	DCM Out port of the amplifier card. -9900 indicates No Measured Power.

Table 146-359 Total Output Power

Name	Value
Displayed name	Total Output Power
OSS name	wkPortNwPowerOut
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|EDFA Amp Attributes
Description	The total egress power of the optical signal.

Table 146-360 Total Output Power

Name	Value
Displayed name	Total Output Power
OSS name	wkPortNwPowerOut
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Power
Description	The total egress power of the optical signal.

Table 146-361 Total Output Power at Monitored Port

Name	Value
Displayed name	Total Output Power at Monitored Port
OSS name	wtocmPortInfoPowerMonitoredPort
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Power
Description	The total power out of associated monitored port.

Table 146-362 Transmit Frequency

Name	Value
Displayed name	Transmit Frequency
OSS name	nwPortProgrammedChannel
Type	equipment.ITUChannel
Tab|Panel	Port Specifics.General|OT
Description	The programmed ITU channel.

Table 146-363 Transmit Lane Powers

Name	Value
Displayed name	Transmit Lane Powers
OSS name	otPortTxLanePowers

(1 of 2)

Name	Value
Type	STRING
Tab|Panel	Port Specifics.General|OT
Description	CFP transmit lane powers for the number of lanes supported by a CFP type.

(2 of 2)

Table 146-364 Transmit Power

Name	Value
Displayed name	Transmit Power
OSS name	otPortTxPower
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|General Attributes
Description	The transmit power after the VOA.

Table 146-365 Transmit Power

Name	Value
Displayed name	Transmit Power
OSS name	otPortTxPower
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|OT
Description	The transmit power after the VOA.

Table 146-366 Transmitted J0

Name	Value
Displayed name	Transmitted J0
OSS name	rsmonEgrTxTti
Type	STRING
Minimum	0
Maximum	15
Tab|Panel	Port Specifics.General|SONET / SDH

(1 of 2)

Name	Value
Description	RSMON Egress Tim transmitted tti.

(2 of 2)

Table 146-367 Transmitted J0

Name	Value
Displayed name	Transmitted J0
OSS name	rsmonIngrTxTti
Type	STRING
Minimum	0
Maximum	15
Tab|Panel	Port Specifics.General|SONET / SDH
Description	RSMON Ingress transmitted TTI.

Table 146-368 Transmitted SSM

Name	Value
Displayed name	Transmitted SSM
OSS name	syncEBitsPortOutputSSMTrans
Type	equipment.SyncEBitsPortOutputSSMTrans
Tab|Panel	Port Specifics.General|BITS Attributes
Description	Transmitted SSM

Table 146-369 Transponder Transmit Power

Name	Value
Displayed name	Transponder Transmit Power
OSS name	otPortTxPowerLaser
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	Port Specifics.General|Laser
Description	The transmit power after the MSA transponder and before the VOA.

Table 146-370 UNI Profile

Name	Value
Displayed name	UNI Profile
OSS name	uniProfilePointer
Type	POINTER
Tab|Panel	Policies.General|UNI Profile
Description	Pointer to the UNI Profile Policy object.

Table 146-371 Unit Part Number

Name	Value
Displayed name	Unit Part Number
OSS name	portManufacturingPartNum
Type	STRING
Tab|Panel	Port Specifics.General|Inventory
Description	Port Manufacturing Part Number.

Table 146-372 Untagged/PriorityCE-VLAN ID

Name	Value
Displayed name	Untagged/PriorityCE-VLAN ID
OSS name	untaggedPriorityCeVlanId
Type	LONG
Tab|Panel	Port Specifics.General|Ethernet
Description	Untagged/PriorityCE-VLAN ID: The PVID for 11DPE12E port.

Table 146-373 User label

Name	Value
Displayed name	User label
OSS name	userLabel
Type	STRING
Maximum	15
Default	no
Tab|Panel	General|General

Table 146-374 Use System Default AINS Timer

Name	Value
Displayed name	Use System Default AINS Timer
OSS name	apUsingSysAinsDebounceTime
Type	BOOL
Tab|Panel	Port Specifics.General|AINS
Description	Using System AINS Debounce Time. Sets with a value of false are restricted. The network operator must set Port AINS Debounce Time to some valid value to disable the use of System AINS Debounce Time. Setting the Port AINS Debounce Time and Port AINS Use System Default to true in the same set request is restricted.

Table 146-375 Vlan Xlation Mode

Name	Value
Displayed name	Vlan Xlation Mode
OSS name	portVlanXlation
Type	INT
Default	2
Tab|Panel	General|Service Access Info
Description	This property is specific to AOS family

Table 146-376 VOA Attenuation

Name	Value
Displayed name	VOA Attenuation
OSS name	opsTxAttenuation
Type	FLOAT
Minimum	-1
Maximum	20
Default	-99.0
Units	dB
Tab|Panel	Port Specifics.General|OPS
Description	The attenuation of the attenuator - applies to ports 2 and 3 (A and B) of the OPSA card. -1 means that max attenuation is applied.

Table 146-377 VPLS Mode

Name	Value
Displayed name	VPLS Mode
OSS name	vplsMode
Type	netw.VplsMode
Default	None
Tab|Panel	General|VPLS Service
Description	Applicable for AOS Fuji2 Nodes. The mode of the VPLS service being configured on the Ethernet Access Port.
Enumerated types	
Disabled	
Enabled	
None	
Qualified	
Unqualified	

Table 146-378 VTS10 Source

Name	Value
Displayed name	VTS10 Source
OSS name	vts10Source
Type	equipment.VtsSource
Default	none
Tab|Panel	Port Specifics.General|VTS Map
Description	Indicates the 'port connected to' from Virtual Time Slot 10 of 11DPE12 Line Port.

Table 146-379 VTS1 Source

Name	Value
Displayed name	VTS1 Source
OSS name	vts1Source
Type	equipment.VtsSource
Default	none
Tab|Panel	Port Specifics.General|VTS Map
Description	Indicates the 'port connected to' from Virtual Time Slot 1 of 11DPE12 Line Port.

Table 146-380 VTS2 Source

Name	Value
Displayed name	VTS2 Source
OSS name	vts2Source
Type	equipment.VtsSource
Default	none
Tab|Panel	Port Specifics.General|VTS Map
Description	Indicates the 'port connected to' from Virtual Time Slot 2 of 11DPE12 Line Port..

Table 146-381 VTS3 Source

Name	Value
Displayed name	VTS3 Source
OSS name	vts3Source
Type	equipment.VtsSource
Default	none
Tab|Panel	Port Specifics.General|VTS Map
Description	Indicates the 'port connected to' from Virtual Time Slot 3 of 11DPE12 Line Port.

Table 146-382 VTS4 Source

Name	Value
Displayed name	VTS4 Source
OSS name	vts4Source
Type	equipment.VtsSource
Default	none
Tab|Panel	Port Specifics.General|VTS Map
Description	Indicates the 'port connected to' from Virtual Time Slot 4 of 11DPE12 Line Port.

Table 146-383 VTS5 Source

Name	Value
Displayed name	VTS5 Source
OSS name	vts5Source
Type	equipment.VtsSource

(1 of 2)

Name	Value
Default	none
Tab|Panel	Port Specifics.General|VTS Map
Description	Indicates the 'port connected to' from Virtual Time Slot 5 of 11DPE12 Line Port.

(2 of 2)

Table 146-384 VTS6 Source

Name	Value
Displayed name	VTS6 Source
OSS name	vts6Source
Type	equipment.VtsSource
Default	none
Tab|Panel	Port Specifics.General|VTS Map
Description	Indicates the 'port connected to' from Virtual Time Slot 6 of 11DPE12 Line Port.

Table 146-385 VTS7 Source

Name	Value
Displayed name	VTS7 Source
OSS name	vts7Source
Type	equipment.VtsSource
Default	none
Tab|Panel	Port Specifics.General|VTS Map
Description	Indicates the 'port connected to' from Virtual Time Slot 7 of 11DPE12 Line Port.

Table 146-386 VTS8 Source

Name	Value
Displayed name	VTS8 Source
OSS name	vts8Source
Type	equipment.VtsSource
Default	none
Tab|Panel	Port Specifics.General|VTS Map
Description	Indicates the 'port connected to' from Virtual Time Slot 8 of 11DPE12 Line Port.

Table 146-387 VTS9 Source

Name	Value
Displayed name	VTS9 Source
OSS name	vts9Source
Type	equipment.VtsSource
Default	none
Tab|Panel	Port Specifics.General|VTS Map
Description	Indicates the 'port connected to' from Virtual Time Slot 9 of 11DPE12 Line Port.

Table 146-388 Wave Key 1

Name	Value
Displayed name	Wave Key 1
OSS name	waveKeyEncodeProgrammedWK1
Type	LONG
Minimum	0
Maximum	4096
Tab|Panel	Port Specifics.General|Wave Key Encode
Description	One of many possible Wave Keys expected to be riding on a particular channel. A value of zero indicates no Wave Key expected. WriteAccess is none as we don't allow the user to change this on the single port. This will be set during transport service creation when the service involves dangling OTs ie.,when OT from ne1 connects directly to filter channel port of ne2.

Table 146-389 Wave Key 2

Name	Value
Displayed name	Wave Key 2
OSS name	waveKeyEncodeProgrammedWK2
Type	LONG
Minimum	0
Maximum	4096
Tab|Panel	Port Specifics.General|Wave Key Encode
Description	WriteAccess is none as we don't allow the user to change this on the single port. This will be set during transport service creation when the service involves dangling OTs ie.,when OT from ne1 connects directly to filter channel port of ne2.

Table 146-390 Wave Key Transmit Status

Name	Value
Displayed name	Wave Key Transmit Status
OSS name	waveKeyEncodeTransmitState
Type	equipment.DisabledEnabled
Tab|Panel	Port Specifics.General|Wave Key Encode
Description	Indicates whether or not Wave Keys are transmitted.

Table 146-391 Wavelength Tracker Decoder Usage

Name	Value
Displayed name	Wavelength Tracker Decoder Usage
OSS name	powerMgmtWtdUsageTypeOut
Type	equipment.WtdUsageType
Tab|Panel	Port Specifics.General|Wavelength Tracker Settings
Description	The type of WTD used egress.

Table 146-392 Working Time Slot

Name	Value
Displayed name	Working Time Slot
OSS name	workingTimeSlot
Type	STRING
Tab|Panel	Port Specifics.General|OT
Description	This is for 11dpge12, string built using ts1 and ts2 values.

147 —PortAccessEgressForwardingClass

Table 147-1 PortAccessEgressForwardingClass parameters

Parameters	
Forwarding Class	Out Profile
In Profile	Out Profile
In Profile	Queue ID

Table 147-2 Forwarding Class

Name	Value
Displayed name	Forwarding Class
OSS name	forwardingClass
Type	qos.FcEnum
Mandatory on creation	yes
Tab|Panel	General|General

Table 147-3 In Profile

Name	Value
Displayed name	In Profile
OSS name	dscpInProfile
Type	qos.DscpEnum

(1 of 2)

Name	Value
Default	Default
Tab|Panel	General|DSCP
Enumerated types	
Default	

(2 of 2)

Table 147-4 In Profile

Name	Value
Displayed name	In Profile
OSS name	inDot1p
Type	qos.Dot1pValueEnum
Default	default
Tab|Panel	General|Dot1p
Enumerated types	
default	
0	
1	
2	
3	
4	
5	
6	
7	

Table 147-5 Out Profile

Name	Value
Displayed name	Out Profile
OSS name	dscpOutProfile
Type	qos.DscpEnum
Default	Default
Tab|Panel	General|DSCP
Enumerated types	
Default	

Table 147-6 Out Profile

Name	Value
Displayed name	Out Profile
OSS name	outDot1p
Type	qos.Dot1pValueEnum
Default	default
Tab|Panel	General|Dot1p
Enumerated types	
default	
0	
1	
2	
3	
4	
5	
6	
7	

Table 147-7 Queue ID

Name	Value
Displayed name	Queue ID
OSS name	queueId
Type	INT
Minimum	1
Maximum	8
Default	1
Tab|Panel	General|General

148 —PortAccessEgressQueue

Table 148-1 PortAccessEgressQueue parameters

Parameters	
CIR	Displayed Name
CIR Adaptation	ID
Containing Policy ID	PIR
Containing Policy Name	PIR Adaptation
Description	

Table 148-2 CIR

Name	Value
Displayed name	CIR
OSS name	cir
Type	INT
Minimum	-1
Maximum	10000000
Default	0
Units	kbps
Tab|Panel	CIR/PIR|Properties

Table 148-3 CIR Adaptation

Name	Value
Displayed name	CIR Adaptation
OSS name	cirAdaptation
Type	qos.RateAdaptationRule
Default	Closest
Tab|Panel	CIR/PIR|Properties
Enumerated types	
Closest	
Max	
Min	

Table 148-4 Containing Policy ID

Name	Value
Displayed name	Containing Policy ID
OSS name	containingPolicyId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General

Table 148-5 Containing Policy Name

Name	Value
Displayed name	Containing Policy Name
OSS name	containingPolicyDisplayedName
Type	STRING
Maximum	80
Read-only	yes
Tab|Panel	General|General

Table 148-6 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 148-7 Displayed Name

Name	Value
Displayed name	Displayed Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 148-8 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	0
Maximum	4294967295
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 148-9 PIR

Name	Value
Displayed name	PIR

(1 of 2)

Name	Value
OSS name	pir
Type	INT
Minimum	-1
Maximum	10000000
Default	-1
Units	kbps
Tab|Panel	CIR/PIR|Properties

(2 of 2)

Table 148-10 PIR Adaptation

Name	Value
Displayed name	PIR Adaptation
OSS name	pirAdaptation
Type	qos.RateAdaptationRule
Default	Closest
Tab|Panel	CIR/PIR|Properties
Enumerated types	
Closest	
Max	
Min	

149 —Port Group

Table 149-1 Port Group parameters

Parameters	
Current Release	Mode
Id	Provision Release

Table 149-2 Current Release

Name	Value
Displayed name	Current Release
OSS name	currentRelease
Type	STRING
Default	true
Tab|Panel	General|General
Description	The current port group firmware version that is running on the FPGA.

Table 149-3 Id

Name	Value
Displayed name	Id
OSS name	portGroupId

(1 of 2)

Name	Value
Type	INT
Mandatory on creation	yes
Tab|Panel	General|General
Description	Port Group ID

(2 of 2)

Table 149-4 Mode

Name	Value
Displayed name	Mode
OSS name	portGroupMode
Type	equipment.PortGroupMode
Default	PWRSV
Tab|Panel	General|General
Description	Firmware Name.
Enumerated types	
ETH	
ETHSTH	
FC	
OTH	
PWRSV	
STH	

Table 149-5 Provision Release

Name	Value
Displayed name	Provision Release
OSS name	provisionRelease
Type	POINTER
Tab|Panel	General|General
Description	The port group firmware version to be downloaded. A null value means the preferred version for the selected mode in the active card firmware profile.

150 —Port Group Firmware Details

Table 150-1 Port Group Firmware Details parameters

Parameters	
Card Type	Firmware Version
Default	Port Group Mode

Table 150-2 Card Type

Name	Value
Displayed name	Card Type
OSS name	cardType
Type	equipment.NECardType
Mandatory on creation	yes
Tab|Panel	General|Port Group Firmware
Description	The valid card type in the card firmware profile
Enumerated types	
1dpp21	
mt1t9	
mt3t8	
11QCUP	
pss_aluWdm112pdm11Card	
pss_aluWdm112sa1lCard	

(1 of 5)

Name	Value
pss_aluWdm112sca1Card	
pss_aluWdm112scx10Card	
pss_aluWdm112sna1Card	
pss_aluWdm112snx10Card	
pss_aluWdm112sx10ICard	
pss_aluWdm11dpe12aCard	
pss_aluWdm11dpe12eCard	
pss_aluWdm11dpge12Card	
pss_aluWdm11dpm12Card	
pss_aluWdm11ope8Card	
pss_aluWdm11qce12xCard	
pss_aluWdm11qpa4Card	
pss_aluWdm11qpe24Card	
pss_aluWdm11qpen4Card	
pss_aluWdm11star1aCard	
pss_aluWdm11star1Card	
pss_aluWdm11stge12Card	
pss_aluWdm11stmm10Card	
pss_aluWdm130scx10Card	
pss_aluWdm1dpp24mCard	
pss_aluWdm43sca1OTU3Card	
pss_aluWdm43scge1Card	
pss_aluWdm43scx4Card	
pss_aluWdm43scx4eCard	
pss_aluWdm43sta1pCard	
pss_aluWdm43stx4Card	
pss_aluWdm43stx4pCard	
pss_aluWdm4dpa2Card	
pss_aluWdm4dpa4Card	
pss_aluWdm4qpa8Card	
pss_aluWdmA2325aCard	
pss_aluWdmAhphgCard	
pss_aluWdmAhpIgCard	
pss_aluWdmAIpfgkCard	
pss_aluWdmAIpfgtCard	
pss_aluWdmAIphgCard	
pss_aluWdmAm2017bCard	

(2 of 5)

Name	Value
pss_aluWdmAm2125aCard	
pss_aluWdmAm2125bCard	
pss_aluWdmAm2318aCard	
pss_aluWdmAm2325bCard	
10AN10g	
24ANM	
pss_aluWdmCwr8c88Card	
pss_aluWdmCwr8Card	
pss_aluWdmDcmCard	
pss_aluWdmEquipmentControllerCard	
pss_aluWdmEquipmentControllerCardPss4	
pss_aluWdmFirstLevelControllerCard	
10ET10g	
24ET1g	
4AN10g	
8ET1g	
pss_aluWdmItIbCard	
pss_aluWdmItIuCard	
pss_aluWdmMatrix0CompactCard	
pss_aluWdmMesh4Card	
pss_aluWdmMVAC8BCard	
pss_aluWdmMVACCard	
pss_aluWdmOpsaCard	
pss_aluWdmOpsbCard	
pss_aluWdmOscCard	
pss_aluWdmOsctCard	
pss_aluWdmPtpCtlCard	
pss_aluWdmPtpIOCard	
pss_aluWdmRa2pCard	
pss_aluWdmSFC1ACard	
pss_aluWdmSFC1BCard	
pss_aluWdmSFC1CCard	
pss_aluWdmSFC1DCard	
pss_aluWdmSFC1ECard	
pss_aluWdmSFC1FCard	
pss_aluWdmSFC1GCard	
pss_aluWdmSFC1HCard	

(3 of 5)

Name	Value
pss_aluWdmSFC2ACard	
pss_aluWdmSFC2BCard	
pss_aluWdmSFC2CCard	
pss_aluWdmSFC2DCard	
pss_aluWdmSFC4ACard	
pss_aluWdmSFC4BCard	
pss_aluWdmSFC8Card	
pss_aluWdmSfd40bCard	
pss_aluWdmSfd40Card	
pss_aluWdmSfd44bCard	
pss_aluWdmSfd44Card	
pss_aluWdmSFD4ACard	
pss_aluWdmSFD4BCard	
pss_aluWdmSFD4CCard	
pss_aluWdmSFD4DCard	
pss_aluWdmSFD4ECard	
pss_aluWdmSFD4FCard	
pss_aluWdmSFD4GCard	
pss_aluWdmSFD4HCard	
pss_aluWdmSFD5ACard	
pss_aluWdmSFD5BCard	
pss_aluWdmSFD5CCard	
pss_aluWdmSFD5DCard	
pss_aluWdmSFD5ECard	
pss_aluWdmSFD5FCard	
pss_aluWdmSFD5GCard	
pss_aluWdmSFD5HCard	
pss_aluWdmSFD8ACard	
pss_aluWdmSFD8BCard	
pss_aluWdmSFD8CCard	
pss_aluWdmSFD8DCard	
pss_aluWdmSVACCard	
130SCUP	
pss_aluWdmWr2c88Card	
pss_aluWdmWr8c88aCard	
pss_aluWdmWr8c88afCard	
pss_aluWdmWtocmACard	

(4 of 5)

Name	Value
pss_aluWdmWtocmCard	

(5 of 5)

Table 150-3 Default

Name	Value
Displayed name	Default
OSS name	isDefault
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	General|Port Group Firmware
Description	This attribute specifies if the software is default.

Table 150-4 Firmware Version

Name	Value
Displayed name	Firmware Version
OSS name	fwVersion
Type	STRING
Mandatory on creation	yes
Tab|Panel	General|Port Group Firmware
Description	The valid port group firmware version number associated with the port group mode.

Table 150-5 Port Group Mode

Name	Value
Displayed name	Port Group Mode
OSS name	portGroupMode
Type	equipment.PortGroupMode
Default	PWRSV
Mandatory on creation	yes
Tab|Panel	General|Port Group Firmware
Description	The valid port group mode in the card firmware profile.
Enumerated types	

(1 of 2)

150 — Port Group Firmware Details

Name	Value
ETH	
ETHSTH	
FC	
OTH	
PWRSV	
STH	

(2 of 2)

151 —Port Specifics

Table 151-1 Port Specifics parameters

Parameters	
CE-VLAN ID	VTS Egress CE-VLAN ID
CE-VLAN ID	VTS Egress CE-VLAN ID
CE-VLAN ID	VTS Egress S-VLAN ID
Classification Mode	VTS Egress S-VLAN ID
Stack-VLAN ID	VTS Ingress CE-VLAN ID
Stack-VLAN ID	VTS Ingress CE-VLAN ID
Stack-VLAN ID	VTS Ingress S-VLAN ID
VTS CE-VLAN ID	VTS Ingress S-VLAN ID
VTS Direction	VTS Map Number

Table 151-2 CE-VLAN ID

Name	Value
Displayed name	CE-VLAN ID
OSS name	ceVLANIDForGUI
Type	STRING
Minimum	0
Maximum	64
Default	None
Tab|Panel	General|VTS Egress Map Details

(1 of 2)

Name	Value
Description	Used for CVLAN traffic. Can be provisioned when the CMODE is set as CEVLAN TAGGED or UNTAGGED.

(2 of 2)

Table 151-3 CE-VLAN ID

Name	Value
Displayed name	CE-VLAN ID
OSS name	ceVLANIDForGUI
Type	STRING
Minimum	0
Maximum	64
Default	None
Tab|Panel	General|VTS Ingress Map Details
Description	Used for CVLAN traffic. Can be provisioned when the CMODE is set as CEVLAN TAGGED or UNTAGGED.

Table 151-4 CE-VLAN ID

Name	Value
Displayed name	CE-VLAN ID
OSS name	ceVLANIDForGUI
Type	STRING
Minimum	0
Maximum	64
Default	None
Tab|Panel	General|VTS Map Details
Description	Used for CVLAN traffic. Can be provisioned when the CMODE is set as CEVLAN TAGGED or UNTAGGED.

Table 151-5 Classification Mode

Name	Value
Displayed name	Classification Mode
OSS name	vtsCmode
Type	optical.VTSCIsMode
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	Entry will be with either tnIngressVtsCmodeMapCMode or tnEgressVtsCmodeMapCMode.
Enumerated types	
CE-VLAN Tagged	
Destination IP Address	
Port	
Source IP Address	
Source and Destination IP Address	
S-VLAN Tagged	
Untagged	

(2 of 2)

Table 151-6 Stack-VLAN ID

Name	Value
Displayed name	Stack-VLAN ID
OSS name	stackVLANIDForGUI
Type	STRING
Default	None
Tab|Panel	General|VTS Egress Map Details
Description	Used for SVLAN tagged traffic. Can be provisioned only when CMODE is set as SVLAN TAGGED.

Table 151-7 Stack-VLAN ID

Name	Value
Displayed name	Stack-VLAN ID
OSS name	stackVLANIDForGUI
Type	STRING
Default	None
Tab|Panel	General|VTS Ingress Map Details
Description	Used for SVLAN tagged traffic. Can be provisioned only when CMODE is set as SVLAN TAGGED.

Table 151-8 Stack-VLAN ID

Name	Value
Displayed name	Stack-VLAN ID
OSS name	stackVLANIDForGUI
Type	STRING
Default	None
Tab|Panel	General|VTS Map Details
Description	Used for SVLAN tagged traffic. Can be provisioned only when CMODE is set as SVLAN TAGGED.

Table 151-9 VTS CE-VLAN ID

Name	Value
Displayed name	VTS CE-VLAN ID
OSS name	vtsMapCEVLANID
Type	STRING
Tab|Panel	General|VTS Map Details
Description	CEVLANID string indicates the VLANID or VLANID ranges, separated by comma. Example: 1,5,1-100. Current configurable range: 1 to 4095, ALL.

Table 151-10 VTS Direction

Name	Value
Displayed name	VTS Direction
OSS name	vtsDirection
Type	optical.VTSDirection
Tab|Panel	General|General
Description	If Direction = Egress, an entry is made in the tnEgressVtsMap table/tnEgressVtsCmodeMap Table. If Direction = Ingress, an entry is made in the tnIngressVtsMaptable/tnIngressVtsCmodeMap Table. If Direction = Ingress and Egress, an entry is made in the tnVtsMapTable OR On Both tnIngressVtsCmodeMapTable and tnEgressVtsCmodeMapTable.
Enumerated types	
Egress	
Ingress	
Ingress and Egress	

Table 151-11 VTS Egress CE-VLAN ID

Name	Value
Displayed name	VTS Egress CE-VLAN ID
OSS name	egressVtsCmodeMapCEVLANID
Type	STRING
Minimum	0
Maximum	64
Tab|Panel	General|VTS Egress Map Details
Description	Egress CEVLANID string indicates the VLANID or VLANID ranges, separated by commas. Example: 1,5,1-100. Current configurable range: 1 to 4095, ALL.

Table 151-12 VTS Egress CE-VLAN ID

Name	Value
Displayed name	VTS Egress CE-VLAN ID
OSS name	vtsMapEgressCEVLANID
Type	STRING
Tab|Panel	General|VTS Egress Map Details
Description	CEVLANID string indicates the VLANID or VLANID ranges, separated by comma. Example: 1,5,1-100. Current configurable range: 1 to 4095, ALL.

Table 151-13 VTS Egress S-VLAN ID

Name	Value
Displayed name	VTS Egress S-VLAN ID
OSS name	egressVtsCmodeMapSVLANID
Type	LONG
Maximum	4094
Tab|Panel	General|VTS Egress Map Details
Description	Indicates the stack VLANID for egress cmode for 11DPE12E Example: Current configurable range: 2 to 4094

Table 151-14 VTS Egress S-VLAN ID

Name	Value
Displayed name	VTS Egress S-VLAN ID
OSS name	vtsMapEgressSVLANID

(1 of 2)

Name	Value
Type	LONG
Maximum	4095
Tab|Panel	General|VTS Egress Map Details
Description	SVLANID string indicates the egress VLANID on Line Port If Card is in QinQ Mode. Current configurable range: 1 to 4095.

(2 of 2)

Table 151-15 VTS Ingress CE-VLAN ID

Name	Value
Displayed name	VTS Ingress CE-VLAN ID
OSS name	ingressVtsCmodeMapCEVLANID
Type	STRING
Minimum	0
Maximum	64
Tab|Panel	General|VTS Ingress Map Details
Description	Ingress CEVLANID string indicates the VLANID or VLANID ranges, separated by commas. Example: 1,5,1-100. Current configurable range: 1 to 4095, ALL

Table 151-16 VTS Ingress CE-VLAN ID

Name	Value
Displayed name	VTS Ingress CE-VLAN ID
OSS name	vtsMapIngressCEVLANID
Type	STRING
Tab|Panel	General|VTS Ingress Map Details
Description	CEVLANID string indicates the VLANID or VLANID ranges, separated by comma. Example: 1,5,1-100. Current configurable range: 1 to 4095, ALL.

Table 151-17 VTS Ingress S-VLAN ID

Name	Value
Displayed name	VTS Ingress S-VLAN ID
OSS name	ingressVtsCmodeMapSVLANID
Type	LONG
Maximum	4094
Tab|Panel	General|VTS Ingress Map Details

(1 of 2)

Name	Value
Description	Indicates the stack VLANID for ingress cmode for 11DPE12E Example: Current configurable range: 2 to 4094

(2 of 2)

Table 151-18 VTS Ingress S-VLAN ID

Name	Value
Displayed name	VTS Ingress S-VLAN ID
OSS name	vtsMapIngressSVLANID
Type	LONG
Maximum	4095
Tab|Panel	General|VTS Ingress Map Details
Description	SVLANID string indicates the ingress VLANID on Line Port If Card is in QinQ Mode. Current configurable range: 1 to 4095.

Table 151-19 VTS Map Number

Name	Value
Displayed name	VTS Map Number
OSS name	vtsMapVts
Type	LONG
Minimum	1
Maximum	100
Mandatory on creation	yes
Tab|Panel	General|General
Description	The VTS number. Value range: 1 to 100.

152 —Port TCA Profile Assignment

Table 152-1 Port TCA Profile Assignment parameters

Parameters	
Clear Bins Interval Number of Bins	Profile Type TCA Profile

Table 152-2 Clear Bins

Name	Value
Displayed name	Clear Bins
OSS name	clearBins
Type	optical.PerformCommand
Default	1
Tab|Panel	General|General
Description	This attribute is used to clear all the bins in an interval on a particular card and group.
Enumerated types	
Execute	
Execute with Force	
No Cmd	

Table 152-3 Interval

Name	Value
Displayed name	Interval
OSS name	interval
Type	optical.IntervalType
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The collection interval.
Enumerated types	
15 min Interval	
24 hour Interval	

Table 152-4 Number of Bins

Name	Value
Displayed name	Number of Bins
OSS name	noOfBins
Type	INT
Minimum	1
Maximum	33
Default	1
Tab|Panel	General|General
Description	The number of collection bins in the interval.

Table 152-5 Profile Type

Name	Value
Displayed name	Profile Type
OSS name	groupId
Type	netca.TCAProfileType
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The group identifier.
Enumerated types	

(1 of 2)

Name	Value
Card	
CD	
DGD	
Digital Wrapper	
E1	
Ethernet	
FOFF	
Interface	
ODURX	
ODUTX	
OPIN	
OPOUT	
OPR	
OPT	
OPOCHIN	
OPOCHOUT	
OSNR	
OTU	
Physical Code Sublayer	
Port	
PreFEC Bits	
SAP	
SDH	
SONET	
Two Way DM	
Two Way SLM	

(2 of 2)

Table 152-6 TCA Profile

Name	Value
Displayed name	TCA Profile
OSS name	tcaProfilePointer
Type	POINTER
Tab|Panel	General|Select Profile
Description	TCA Profile.

153 —PortTrail

Table 153-1 PortTrail parameters

Parameters	
A to Z	Protection Level
Bidirectional	Protection Type
Connection Type	Rate
Customer	Trail ID
Force Create OCh XC	Trail Name
Path Preference	Z to A

Table 153-2 A to Z

Name	Value
Displayed name	A to Z
OSS name	activePathAZ
Type	optical.ProtectionState
Tab|Panel	General|Active Path
Description	Indicates which trail path is the active one in the AZ direction.
Enumerated types	
Unprotected	
Protection	
Working	

Table 153-3 Bidirectional

Name	Value
Displayed name	Bidirectional
OSS name	biDirectional
Type	BOOL
Default	true
Tab|Panel	General|General
Description	Indicates if this connection is a unidirectional or bidirectional connection.

Table 153-4 Connection Type

Name	Value
Displayed name	Connection Type
OSS name	connectionType
Type	optical.ConnectionType
Mandatory on creation	yes
Tab|Panel	General|General
Description	Type of connection.
Enumerated types	
Multipoint Service Path	
OCh CrossConnect	
OCH Trail	
OCH Trail Path	
ODUk CrossConnect	
ODU Trail	
ODU Trail Path	
OT CrossConnect	
OTS Trail	
OTS Trail Path	
OTU Trail	
OTU Trail Path	
Port Trail	
Transport Service	
Service Path	
Virtual ODUk Cross Connect	
VTS CrossConnect	

Table 153-5 Customer

Name	Value
Displayed name	Customer
OSS name	subscriberPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General

Table 153-6 Force Create OCh XC

Name	Value
Displayed name	Force Create OCh XC
OSS name	forceXcCreate
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Indicates whether the OCH XC should be created by force when power commissioning provisioning state is "InProgress".

Table 153-7 Path Preference

Name	Value
Displayed name	Path Preference
OSS name	modifyProtectionPreference
Type	optical.ModifyProtectionPreference
Default	None
Tab|Panel	General|General
Description	Indicates whether the working path or the protection path needs to be retained when Trail protection is modified to unprotected
Enumerated types	
None	
Retain Protection Path	
Retain Working Path	

Table 153-8 Protection Level

Name	Value
Displayed name	Protection Level
OSS name	protectionLevel
Type	optical.ProtectionLevel
Default	Unprotected
Mandatory on creation	yes
Tab|Panel	General|General
Description	The calculated level of protection based on the underlying server OTN layers.
Enumerated types	
Protected	
Segment Protected	
Unprotected	

Table 153-9 Protection Type

Name	Value
Displayed name	Protection Type
OSS name	protection
Type	optical.TrailProtectionType
Default	Unprotected
Tab|Panel	General|General
Description	Protection type of the trail.
Enumerated types	
Diverse Route	
OPS Protected	
Segment Protected	
SNCI Protected	
SNCN Protected	
SNCNC Protected	
Unprotected	
Y-Cable Protected	

Table 153-10 Rate

Name	Value
Displayed name	Rate
OSS name	rate
Type	optical.AssignedRate
Mandatory on creation	yes
Tab|Panel	General|General
Description	Indicates the rate of the trail.
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	

(1 of 2)

Name	Value
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(2 of 2)

Table 153-11 Trail ID

Name	Value
Displayed name	Trail ID
OSS name	connId
Type	LONG
Minimum	1
Maximum	2147483647
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	Unique id for the Connection.

Table 153-12 Trail Name

Name	Value
Displayed name	Trail Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	256
Tab|Panel	General|General
Description	Displayed name of the Connection.

Table 153-13 Z to A

Name	Value
Displayed name	Z to A
OSS name	activePathZA
Type	optical.ProtectionState
Tab|Panel	General|Active Path
Description	Indicates which trail path is the active one in the ZA direction.
Enumerated types	
Unprotected	
Protection	
Working	

154 —Power Adjustment Point

Table 154-1 Power Adjustment Point parameters

Parameters	
Card Subtype	Port

Table 154-2 Card Subtype

Name	Value
Displayed name	Card Subtype
OSS name	assignedCardSubType
Type	equipment.CardSubType
Default	unspecified
Mandatory on creation	yes
Tab|Panel	General|General
Description	The subtype of the card that this adjust point belongs to.
Enumerated types	
Occupied by other Card	
112PDM11	
112SA1L	
112SCA1-100GEth	
112SCA1-OTU4	
112SCX10	

(1 of 5)

Name	Value
112SNA1-100GEth	
112SNA1-OTU4	
112SNX10	
112SX10L	
11DPE12A	
11DPE12E	
11DPE12	
11DPM12	
11OPE8	
11QCE12X	
11QPA4	
11QPE24	
11QPEN4	
11STAR1A	
11STAR1	
11STGE12	
11STMM10	
130SCX10	
1DPP24M-Master	
1DPP24M-Slave	
43SCA1-OTU3	
43SCA1-SONET/SDH	
43SCGE1	
43SCX4	
43SCX4E	
43STA1P	
43STX4	
43STX4P	
4DPA2	
4DPA4 FlexMux	
4DPA4 DualTran	
4QPA8	
A2325A	
A2P2125	
AHPHG	
AHPLG	
ALPFGK	

(2 of 5)

Name	Value
ALPFGT	
ALPHG	
AM2017B	
AM2125A	
AM2125B	
AM2318A	
AM2325B	
BTC	
10AN10G	
24ANM	
CWR8-88	
CWR8	
DCM	
HKPCNTL	
EC	
Fan Unit	
FLC	
10ET10G	
24ET1GB	
4AN10G	
8ET1GB	
ITLB	
ITLU	
MT0C	
MESH4	
MVAC8B	
MVAC	
OPSA	
OPSB	
OSC	
OSCT	
PF	
PTPCTL	
PTPIO	
RA2P	
SFC1A	
SFC1B	

(3 of 5)

Name	Value
SFC1C	
SFC1D	
SFC1E	
SFC1F	
SFC1G	
SFC1H	
SFC2A	
SFC2B	
SFC2C	
SFC2D	
SFC4A	
SFC4B	
SFC8	
SFD40B	
SFD40	
SFD44B	
SFD44	
SFD4A	
SFD4B	
SFD4C	
SFD4D	
SFD4E	
SFD4F	
SFD4G	
SFD4H	
SFD5A	
SFD5B	
SFD5C	
SFD5D	
SFD5E	
SFD5F	
SFD5G	
SFD5H	
SFD8A	
SFD8B	
SFD8C	
SFD8D	

(4 of 5)

Name	Value
SVAC	
11QCUPC	
130SCUP	
MXEC320H	
MTC1T9	
User Interface Panel	
WR2-88	
WR8-88A	
WR8-88AF	
WTOCMA	
WTOCM	

(5 of 5)

Table 154-3 Port

Name	Value
Displayed name	Port
OSS name	portPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General
Description	The optical port type of this adjust point.

155 —Power Adjustment Rule

Table 155-1 Power Adjustment Rule parameters

Parameters	
Channel	Power Converge Wait Time
Direction	Service Mode
Initial Target Power	Source Port
Last Executed	State Cause
Power Converge Deviation	Status
Power Converge Deviation	Target Port
Power Converge Retries	

Table 155-2 Channel

Name	Value
Displayed name	Channel
OSS name	channel
Type	optical.ITUChannel
Default	8760
Mandatory on creation	yes
Tab|Panel	General|General
Description	The channel on which the transport service is riding.
Enumerated types	
1310	

(1 of 7)

Name	Value
1471	
1490	
1491	
1511	
1530	
1531	
1550	
1551	
1571	
1591	
1611	
1625	
850	
8650	
8655	
8660	
8665	
8670	
8675	
8680	
8685	
8690	
8695	
8700	
8705	
8710	
8715	
8720	
8725	
8730	
8735	
8740	
8745	
8750	
8755	
8760	
8765	

(2 of 7)

Name	Value
8770	
8775	
8780	
8785	
8790	
8795	
8800	
8805	
8810	
8815	
8820	
8825	
8830	
8835	
8840	
8845	
8850	
8855	
8860	
8865	
8870	
8875	
8880	
8885	
8890	
8895	
8900	
8905	
8910	
8915	
8920	
8925	
8930	
8935	
8940	
8945	
8950	

(3 of 7)

Name	Value
8955	
8960	
8965	
8970	
8975	
8980	
8985	
8990	
8995	
9000	
9005	
9010	
9015	
9020	
9025	
9030	
9035	
9040	
9045	
9050	
9055	
9060	
9065	
9070	
9075	
9080	
9085	
9090	
9095	
9100	
9105	
9110	
9115	
9120	
9125	
9130	
9135	

(4 of 7)

Name	Value
9140	
9145	
9150	
9155	
9160	
9165	
9170	
9175	
9180	
9185	
9190	
9195	
9200	
9205	
9210	
9215	
9220	
9225	
9230	
9235	
9240	
9245	
9250	
9255	
9260	
9265	
9270	
9275	
9280	
9285	
9290	
9295	
9300	
9305	
9310	
9315	
9320	

(5 of 7)

Name	Value
9325	
9330	
9335	
9340	
9345	
9350	
9355	
9360	
9365	
9370	
9375	
9380	
9385	
9390	
9395	
9400	
9405	
9410	
9415	
9420	
9425	
9430	
9435	
9440	
9445	
9450	
9455	
9460	
9465	
9470	
9475	
9480	
9485	
9490	
9495	
9500	
9505	

(6 of 7)

Name	Value
9510	
9515	
9520	
9525	
9530	
9535	
9540	
9545	
9550	
9555	
9560	
9565	
9570	
9575	
9580	
9585	
9590	
9595	
9600	
9605	
None	

(7 of 7)

Table 155-3 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	optical.TraversalType
Mandatory on creation	yes
Tab|Panel	General|General
Description	The direction (A- > Z or Z- > A) of the service which needs power adjustment.
Enumerated types	
A->Z	
Both	
Z->A	

Table 155-4 Initial Target Power

Name	Value
Displayed name	Initial Target Power
OSS name	initialTargetPower
Type	FLOAT
Minimum	-99
Maximum	99
Default	-10.0
Units	dB
Tab|Panel	General|Source Port
Description	The initial target power to start with for adjusting the power on the SR DWDM port.

Table 155-5 Last Executed

Name	Value
Displayed name	Last Executed
OSS name	lastExecuted
Type	DATE
Tab|Panel	General|General
Description	The date/time when the power adjustment was last executed.

Table 155-6 Power Converge Deviation

Name	Value
Displayed name	Power Converge Deviation
OSS name	powerConvergeDeviation
Type	FLOAT
Minimum	0
Maximum	10
Default	0.2
Units	dB
Tab|Panel	General|Source Port
Description	The acceptable power difference between target and measured power after converge.

Table 155-7 Power Converge Deviation

Name	Value
Displayed name	Power Converge Deviation
OSS name	targetPortPowerConvergeDeviation
Type	FLOAT
Minimum	0
Maximum	10
Default	0.5
Units	dB
Tab|Panel	General|Target Port
Description	The acceptable power difference between expected and measured power on the target port after converge.

Table 155-8 Power Converge Retries

Name	Value
Displayed name	Power Converge Retries
OSS name	powerConvergeRetries
Type	INT
Minimum	0
Maximum	10
Default	3
Tab|Panel	General|Source Port
Description	The number of retries for measured power to converge with the target power being set.

Table 155-9 Power Converge Wait Time

Name	Value
Displayed name	Power Converge Wait Time
OSS name	powerConvergeWaitTime
Type	INT
Minimum	10
Maximum	180
Default	60
Units	seconds
Tab|Panel	General|Source Port

(1 of 2)

Name	Value
Description	The wait time in seconds for measured power to converge with the target power being set.

(2 of 2)

Table 155-10 Service Mode

Name	Value
Displayed name	Service Mode
OSS name	serviceMode
Type	optical.TransportServiceMode
Default	Unprotected
Mandatory on creation	yes
Tab|Panel	General|General
Description	The service mode - Unprotected, Working or Protection
Enumerated types	
Protection	
Unprotected	
Working	

Table 155-11 Source Port

Name	Value
Displayed name	Source Port
OSS name	srcPortPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General
Description	The source port pointer - generally a wavetracker capable DWDM OT port on an SR.

Table 155-12 State Cause

Name	Value
Displayed name	State Cause
OSS name	stateCause
Type	optical.PowerAdjustStateCause
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	The power adjustment state cause in case of failure.
Enumerated types	
Power Adjust Point Read Power Failed	
Power Adjust Point Expected Power Set Failed	
WSS Attenuation Read Failed	
Source Port Power Control Failed	
Source Port Power Converge Failed	
Source Port Power Lower/Upper Limit Reached	
Source Port Measured Power Read Failed	
Source Port Expected Power Read Failed	
Source Port Expected Power Set Failed	
Target Port Measured Power Read Failed	

(2 of 2)

Table 155-13 Status

Name	Value
Displayed name	Status
OSS name	status
Type	optical.PowerAdjustStatus
Default	0
Tab|Panel	General|General
Description	The power adjustment status.
Enumerated types	
Aborted	
Completed	
Failed	
In Progress	
Not Executed	

Table 155-14 Target Port

Name	Value
Displayed name	Target Port
OSS name	targetPortPointer
Type	POINTER

(1 of 2)

155 — Power Adjustment Rule

Name	Value
Mandatory on creation	yes
Tab|Panel	General|General
Description	The target port pointer - generally an egress amplifier LINE port XC'ed on the PSS that is connected to the SR OT port.

(2 of 2)

156 —Power Offset

Table 156-1 Power Offset parameters

Parameters	
Bit Rate	Encoding
Bit Rate Key	Encoding Key
Direction	Target Power Offset

Table 156-2 Bit Rate

Name	Value
Displayed name	Bit Rate
OSS name	bitRateText
Type	STRING
Tab|Panel	General|General
Description	Text description of BitRate.

Table 156-3 Bit Rate Key

Name	Value
Displayed name	Bit Rate Key
OSS name	bitRate
Type	INT

(1 of 2)

Name	Value
Minimum	1
Maximum	10000
Default	9998
Mandatory on creation	yes
Tab|Panel	General|General
Description	OTU Bit-Rate

(2 of 2)

Table 156-4 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	optical.Direction
Mandatory on creation	yes
Tab|Panel	General|General
Description	The signal direction - Ingress (In) or Egress (Out).
Enumerated types	
In	
Out	

Table 156-5 Encoding

Name	Value
Displayed name	Encoding
OSS name	encodingText
Type	STRING
Tab|Panel	General|General
Description	Text description of Encoding.

Table 156-6 Encoding Key

Name	Value
Displayed name	Encoding Key
OSS name	encoding
Type	INT

(1 of 2)

Name	Value
Minimum	1
Maximum	10000
Default	9998
Mandatory on creation	yes
Tab|Panel	General|General
Description	Signal modulation format.

(2 of 2)

Table 156-7 Target Power Offset

Name	Value
Displayed name	Target Power Offset
OSS name	powerOffset
Type	FLOAT
Minimum	-3
Maximum	3
Default	0
Units	dB
Tab|Panel	General|General
Description	Optical power offset from nominal power level. Current configurable range: -3.0 to 3.0.

157 —Power Supply Tray

Table 157-1 Power Supply Tray parameters

Parameters	
AC Rectifier Failed/Missing	Module Type
AC Voltage Status	Operational State
Administrative State	Part Number
Assigned PEQ Type	Power Supply 1 Status
Assigned Type	Power Supply 2 Status
Background Diagnostics Fault Reason	Power Supply Input Status
Background Diagnostics State	Power Supply Output Status
CLEI Code	Power Supply Status
DC Voltage Status	Power(Watts)
Equipped PEQ Type	Serial Number
Hardware Class	Site ID
Manufacture Date	Site Name
Manufacturer	Supported PEQ Type
Manufacturing Assembly No	Temperature Status
Manufacturing Deviations	Tray ID
Manufacturing Variant	

Table 157-2 AC Rectifier Failed/Missing

Name	Value
Displayed name	AC Rectifier Failed/Missing
OSS name	aCRectifierStatus
Type	equipment.ACRectifierStatus

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|General
Description	Indicates which Power Entry Module AC rectifiers installed in the PEM slot are in a failed state or are missing.
Enumerated types	
Rectifier 1	
Rectifier 2	

(2 of 2)

Table 157-3 AC Voltage Status

Name	Value
Displayed name	AC Voltage Status
OSS name	acVoltageStatus
Type	equipment.DeviceRangeState
Default	OK
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Not Equipped	
Out of Range	
OK	
Unknown	

Table 157-4 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	equipment.AdministrativeState
Default	Unknown
Tab|Panel	General|Equipment
Enumerated types	
Diagnose	
Up	
Locked	
Maintenance	

(1 of 2)

Name	Value
Unknown	
Not Relevant	
Operate Switch	
Down	
Shutting Down	
Unlocked	

(2 of 2)

Table 157-5 Assigned PEQ Type

Name	Value
Displayed name	Assigned PEQ Type
OSS name	assignedPEQType
Type	equipment.PEQType
Default	No PEQ
Tab|Panel	General|PEQ
Enumerated types	
APEQ DC 2000	
Invalid PEQ	
No PEQ	

Table 157-6 Assigned Type

Name	Value
Displayed name	Assigned Type
OSS name	assignedType
Type	INT
Default	none
Read-only	yes
Tab|Panel	General|General

Table 157-7 Background Diagnostics Fault Reason

Name	Value
Displayed name	Background Diagnostics Fault Reason
OSS name	backgroundDiagnosticsFaultReason

(1 of 2)

157 — Power Supply Tray

Name	Value
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 157-8 Background Diagnostics State

Name	Value
Displayed name	Background Diagnostics State
OSS name	backgroundDiagnosticsState
Type	equipment.BackgroundDiagnosticsStateType
Default	Unknown
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
Critical Fault Detected	
Fault Detected	
N/A	
Ok	
Unknown	

Table 157-9 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING
Minimum	0
Maximum	16
Read-only	yes
Tab|Panel	General|Equipment Location Codes

Table 157-10 DC Voltage Status

Name	Value
Displayed name	DC Voltage Status

(1 of 2)

Name	Value
OSS name	dcVoltageStatus
Type	equipment.DeviceRangeState
Default	OK
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Not Equipped	
Out of Range	
OK	
Unknown	

(2 of 2)

Table 157-11 Equipped PEQ Type

Name	Value
Displayed name	Equipped PEQ Type
OSS name	equippedPEQType
Type	equipment.PEQType
Default	No PEQ
Read-only	yes
Tab|Panel	General|PEQ
Enumerated types	
APEQ DC 2000	
Invalid PEQ	
No PEQ	

Table 157-12 Hardware Class

Name	Value
Displayed name	Hardware Class
OSS name	hardwareClass
Type	equipment.HardwareClassType
Default	no
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	

(1 of 2)

Name	Value
External Alarm Input	
Fam	
N/A	

(2 of 2)

Table 157-13 Manufacture Date

Name	Value
Displayed name	Manufacture Date
OSS name	manufactureDate
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 157-14 Manufacturer

Name	Value
Displayed name	Manufacturer
OSS name	manufacturer
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 157-15 Manufacturing Assembly No

Name	Value
Displayed name	Manufacturing Assembly No
OSS name	manufacturingAssemblyNo
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 157-16 Manufacturing Deviations

Name	Value
Displayed name	Manufacturing Deviations
OSS name	manufacturingDeviations
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 157-17 Manufacturing Variant

Name	Value
Displayed name	Manufacturing Variant
OSS name	manufacturingVariant
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 157-18 Module Type

Name	Value
Displayed name	Module Type
OSS name	powerEntryModuleType
Type	INT
Read-only	yes
Tab|Panel	General|General
Description	The indicates the Power Entry Module type installed in the PEM slot.

Table 157-19 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	equipment.OperationalState
Default	Unknown
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|Equipment
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	
Provisioned	
Reserved	
Reset Pending	
Shutting Down	
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

(2 of 2)

Table 157-20 Part Number

Name	Value
Displayed name	Part Number
OSS name	manufacturerBoardNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 157-21 Power Supply 1 Status

Name	Value
Displayed name	Power Supply 1 Status
OSS name	powerSupply1Status
Type	equipment.DeviceState
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Not Equipped	
Failed	
MinorFailure	
OK	
OutOfservice	
Unknown	

Table 157-22 Power Supply 2 Status

Name	Value
Displayed name	Power Supply 2 Status
OSS name	powerSupply2Status
Type	equipment.DeviceState
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Not Equipped	
Failed	
MinorFailure	
OK	
OutOfservice	
Unknown	

Table 157-23 Power Supply Input Status

Name	Value
Displayed name	Power Supply Input Status
OSS name	powerSupplyInputStatus
Type	equipment.DeviceState
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Not Equipped	
Failed	
MinorFailure	
OK	
OutOfservice	
Unknown	

Table 157-24 Power Supply Output Status

Name	Value
Displayed name	Power Supply Output Status
OSS name	powerSupplyOutputStatus
Type	equipment.DeviceState
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Not Equipped	
Failed	
MinorFailure	
OK	
OutOfservice	
Unknown	

Table 157-25 Power Supply Status

Name	Value
Displayed name	Power Supply Status
OSS name	powerSupplyStatus
Type	equipment.DeviceState
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Not Equipped	
Failed	
MinorFailure	
OK	
OutOfservice	
Unknown	

Table 157-26 Power(Watts)

Name	Value
Displayed name	Power(Watts)
OSS name	powerSupplyPhysPower
Type	INT
Read-only	yes
Tab|Panel	General|General

Table 157-27 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	serialNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 157-28 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Equipment

Table 157-29 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Equipment

Table 157-30 Supported PEQ Type

Name	Value
Displayed name	Supported PEQ Type
OSS name	supportedPEQType
Type	equipment.PEQType
Default	No PEQ
Read-only	yes
Tab|Panel	General|PEQ
Enumerated types	
APEQ DC 2000	
Invalid PEQ	
No PEQ	

Table 157-31 Temperature Status

Name	Value
Displayed name	Temperature Status
OSS name	temperatureStatus
Type	equipment.DeviceRangeState
Default	OK
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Not Equipped	
Out of Range	
OK	
Unknown	

Table 157-32 Tray ID

Name	Value
Displayed name	Tray ID
OSS name	powerSupplyId
Type	INT
Default	1
Mandatory on creation	yes
Tab|Panel	General|General

158 —Processor Card

Table 158-1 Processor Card parameters

Parameters	
Administrative State	Manufacturing Assembly No
Background Diagnostics Fault Reason	Manufacturing Deviations
Background Diagnostics State	Manufacturing Variant
Boot Code Version	Memory Error Count
CAM Error Count	Memory Error Count
Card Type	Memory Error Count
CLEI Code	Memory Error Count
Clocking Reference	Number Of Daughter Card Slots
Equipped	Number Of Installed Daughter Cards
Hardware Class	Operational State
Internal Datapath Cell Error Count	Part Number
Internal Datapath Error Count	Serial Number
Last Occurred	Shelf ID
Last Occurred	Shelf Type
Last Occurred	Site ID
Last Occurred	Site ID
Last Occurred	Site Name
Last Occurred	Site Name
Last Occurred	Slot ID
Manufacture Date	Slot Name
Manufacturer	Software Version

Table 158-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	equipment.AdministrativeState
Default	Unknown
Tab|Panel	General|Equipment
Enumerated types	
Diagnose	
Up	
Locked	
Maintenance	
Unknown	
Not Relevant	
Operate Switch	
Down	
Shutting Down	
Unlocked	

Table 158-3 Background Diagnostics Fault Reason

Name	Value
Displayed name	Background Diagnostics Fault Reason
OSS name	backgroundDiagnosticsFaultReason
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 158-4 Background Diagnostics State

Name	Value
Displayed name	Background Diagnostics State
OSS name	backgroundDiagnosticsState
Type	equipment.BackgroundDiagnosticsStateType
Default	Unknown
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|Manufacturer Details
Enumerated types	
Critical Fault Detected	
Fault Detected	
N/A	
Ok	
Unknown	

(2 of 2)

Table 158-5 Boot Code Version

Name	Value
Displayed name	Boot Code Version
OSS name	bootEpromVersion
Type	STRING
Minimum	0
Maximum	80
Read-only	yes
Tab|Panel	General|Card Details

Table 158-6 CAM Error Count

Name	Value
Displayed name	CAM Error Count
OSS name	complexCAMErrorCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Cam Errors
Description	indicates the number of times the complex experienced an occurrence of a CAM error since startup, or card reboot.

Table 158-7 Card Type

Name	Value
Displayed name	Card Type

(1 of 12)

Name	Value
OSS name	specificType
Type	equipment.CardType
Default	No Processor/Base Card
Mandatory on creation	yes
Tab|Panel	General|Slot Details
Enumerated types	
OS10K-CFM	
OS10K-CMM	
48-Port Gig Ethernet TX (OS10K-GNI-C48E)	
48-Port Gig Ethernet SFP (OS10K-GNI-U48E)	
4-Port 40 Gig Ethernet QSFP+ (OS10K-QNI-U4E)	
8-Port 40 Gig Ethernet QSFP+ (OS10K-QNI-U8E)	
16-Port 10 Gig Ethernet SFP+ (OS10K-XNI-U16E)	
32-Port 10 Gig Ethernet SFP+ (OS10K-XNI-U32E)	
32-Port 10 Gig Ethernet SFP+ (OS10K-XNI-U32S)	
24-Port Fast Ethernet SME(24 TX, 2 Dual TX/FX)	
24-Port Fast Ethernet SME(24 TX, 2 Dual TX/FX) with DC Power Supply	
24-Port Fast Ethernet Metro(24 TX, 2 Dual TX/FX)	
24-Port PoE Gig Ethernet SME(24 TX, 2 Dual TX/FX)	
8-Port Fast Ethernet Metro(8 TX, 2 Dual TX/FX)	
24-Port PoE Gig Ethernet(4 Dual TX/FX, 20 TX)	
24-Port Gig Ethernet (4 Dual TX/FX, 20 TX)	
24-Port Gig Ethernet (2 Dual TX/FX, 22 FX)	
24-Port Gig Ethernet (2 Dual TX/FX, 22 FX) with Internal DC Power Supply	
48-Port PoE Gig Ethernet(4 Dual TX/FX, 44 TX)	
48-Port Gig Ethernet (4 Dual TX/FX, 44 TX)	
10-Port PoE Fast/Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
10-Port Fast/Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
10-Port PoE Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
10-Port Gig Ethernet(8 TX, 2 Dual TX/FX, 2 SFP)	
24-Port Gig Ethernet(22 FX, 4 Dual TX/FX)	
24-Port PoE Fast/Gig Ethernet(24 TX, 2 Dual TX/FX)	
24-Port Fast/Gig Ethernet(24 TX, 2 SFP)	
24-Port PoE Gig Ethernet(24 TX, 2 Dual TX/FX)	
24-Port Gig Ethernet(24 TX, 2 SFP)	
48-Port PoE Fast/Gig Ethernet(48 TX, 2 SFP)	
48-Port Fast/Gig Ethernet(48 TX, 2 SFP)	

(2 of 12)

Name	Value
48-Port PoE Gig Ethernet(48 TX, 2 SFP)	
48-Port Gig Ethernet(48 TX, 2 SFP)	
24-Port (20 x PoE Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
24-Port (20 x Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
24-Port PoE Gig Ethernet(20 TX, 4 Dual TX/FX)	
24-Port PoE Gig Ethernet (20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP	
24-Port Gig Ethernet (20 TX, 4 Dual TX/FX)	
24-Port Gig Ethernet (20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP	
24-Port Gig Ethernet (22 FX, 2 Dual TX/FX) + 2 x 10-GigE XFP	
48-Port (44 x PoE Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
48-Port (44 x Fast Ethernet 10/100, 4 Dual GigE TX/FX)	
48-Port PoE Gig Ethernet(44 TX, 4 Dual TX/FX)	
48-Port Gig Ethernet (44 TX, 4 Dual TX/FX)	
48-Port PoE Gig Ethernet + 2 x 10-GigE XFP	
48-Port Gig Ethernet + 2 x 10-GigE XFP	
24-Port PoE Gig Ethernet (20 TX, 4 Dual TX/FX) - E	
24-Port PoE Gig Ethernet (20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP - E	
24-Port Gig Ethernet(20 TX, 4 Dual TX/FX) - E	
24-Port Gig Ethernet(20 TX, 4 Dual TX/FX) + 2 x 10-GigE XFP - E	
24-Port Gig Ethernet (22 FX, 2 Dual TX/FX) + 2 x 10-GigE XFP - E	
48-Port PoE Gig Ethernet (44 TX, 4 Dual TX/FX) - E	
48-Port Gig Ethernet(44 TX, 4 Dual TX/FX) - E	
48-Port PoE Gig Ethernet (46 TX, 2 Dual TX/FX) + 2 x 10-GigE XFP - E	
48-Port Gig Ethernet (46 TX, 2 Dual TX/FX) + 2 x 10-GigE XFP - E	
24-Port Gig Ethernet (20 TX (4 PoE), 4 Dual TX/FX)	
24-Port Gig Ethernet (22 FX, 2 TX/FX)	
24-Port Gig Ethernet (22 FX, 2 TX/FX, 2 FX/STK)	
10-Port Gig Ethernet (8 FX, 2 TX)	
14-Port Gig Ethernet (12 TX (4 PoE), 2 FX)	
6-Port Gig Ethernet (4 x 10 Gig SFP+, 2 x 40 Gig QSFP+) (OS-HNI-U6)	
3-Port 40 Gig Ethernet QSFP+ (OS-QNI-U3)	
20-Port 10 Gig Ethernet (OS6900-T20)	
40-Port 10 Gig Ethernet (OS6900-T40)	
20-Port 10 Gig Ethernet SFP+ (OS6900-X20)	
40-Port 10 Gig Ethernet SFP+ (OS6900-X40)	
8-Port 10 Gig Ethernet (OS-XNI-T8)	
12-Port 10 Gig Ethernet SFP+ (OS-XNI-U12)	

(3 of 12)

Name	Value
4-Port 10 Gig Ethernet SFP+ (OS-XNI-U4)	
22-Port Gig Ethernet (20 TX, 2 FX) (OS9-GNI-C20L)	
24-Port Gig Ethernet TX (OS9-GNI-C24)	
24-Port Gig Ethernet TX (OS9-GNI-C24E)	
48-Port Gig Ethernet TX (OS9-GNI-C48T)	
24-Port PoE Gig Ethernet TX (OS9-GNI-P24)	
24-Port PoE Gig Ethernet TX (OS9-GNI-P24E)	
24-Port Gig Ethernet FX (OS9-GNI-U24)	
24-Port Gig Ethernet FX (OS9-GNI-U24E)	
12-Port 10 Gig Ethernet SFP+ (OS9-XNI-U12E)	
2-Port 10 Gig Ethernet XFP (OS9-XNI-U2)	
2-Port 10 Gig Ethernet XFP (OS9-XNI-U2E)	
6-Port 10 Gig Ethernet XFP (OS9-XNI-U6)	
OS9600-CMM	
OS9700-CMM	
OS9700E-CMM	
OS9800-CMM	
OS9800E-CMM	
ATCA Hub	
ATCA Blade	
ATCA Molene Blade	
ATCA ShMC	
7710 CFM	
CFM-XP	
7750-SRc4 CFM-C4-XP	
CFM-XP-B	
CPM X16	
CPM X20	
7705 1g/10g CSM	
7705 1g CSM	
7705 2.5g CSM	
7705 SAR-8 1g/10g CSM	
HP Workstation	
10-Port GIGE SFP IMM	
10-Port GIGE SFP + 1-Port 10GE XFP IMM	
12-Port 10GE SF IMM	
1-Port 100GE CFP IMM	

(4 of 12)

Name	Value
1-Port 40GE CFP IMM	
1-Port 40GE OTU3 Long Reach DWDM Tunable IMM	
1-Port OC768 OTU3 Long Reach DWDM Tunable IMM	
2-Port 10GE XFP IMM	
3-Port 40GIGE QSFP IMM	
40-Port 10GE SFP+ IMM	
48-Port GIGE SFP IMM	
48-Port GIGE SFP IMM, B	
48-Port GIGE TX IMM	
48-Port GIGE TX IMM, B	
4-Port 100GE CXP IMM	
4-Port 10GE XFP IMM	
5-Port 10GE XFP IMM	
8-Port 10GE XFP IMM	
8-Port 10GE XFP IMM, B	
1-PAC FP3 IMM	
2-PAC FP3 IMM	
2 x 10-Gig MDA IOM 2	
2 x XP MDA IOM 3	
2 x XP MDA IOM 3, B	
2 x XP MDA IOM 3, C	
2 x 10-Gig MDA Oversubscribed IOM Card	
7710 IOM	
7705 IOM	
2 x 10-Gig MDA IOM	
2 x 10-Gig MDA IOM Card, B	
24-Port Gig Ethernet(20 FX, 4 Dual TX/FX)	
24-Port Gig Ethernet(20 TX, 4 Dual TX/FX)	
24-Port Fast-Ethernet	
24-Port Fast-Ethernet FX	
IOM-XP	
48-Port Fast-Ethernet	
7750-SRc4 IOM-C4-XP	
2 x 10/40 Gig MDA IOM card	
7210 IOM	
IOM (CPAA)	
IOM-XP-B	

(5 of 12)

Name	Value
ISM Mobile	
ISM Mobile B	
M-SFM4-12e	
M-SFM5-12e	
No MCM Card	
Unsupported MCM Card	
MCM-v1	
MCM-XP	
Controller	
Eth Card-A	
Eth Card-B	
Power Amplifier-A	
Power Amplifier-B	
Power Supply-A	
Power Supply-B	
Receiver-A	
Receiver-B	
Relay Card	
TMN Card	
Transmitter-A	
Transmitter-B	
16 x E1 (ASAP)	
AUX	
CORE	
CORE-ENH	
EASv2	
1 x Radio Modem	
MSS1	
2 x DS3	
2 x STM	
1 x STM (Channelized)	
32 x E1	
32 x DS1	
2+2 x Ethernet (EAS)	
4+4 x Ethernet (EAS)	
MPRe IOM	
PDN Gateway	

(6 of 12)

Name	Value
200g CPM / Switch Fabric 2	
400g CPM / Switch Fabric 2	
80g CPM / Switch Fabric 2	
1 Tb CPM / Switch Fabric 4	
CPM / Switch Fabric 4 E	
500g CPM / Switch Fabric 4	
CPM / Switch Fabric 5 E	
100g CPM / Switch Fabric	
200g CPM / Switch Fabric	
250g CPM / Switch Fabric 3	
400g CPM / Switch Fabric	
7210 CPM, Internal	
500g CPM / Switch Fabric 3	
NUAGE-1 VSC CPM	
NUAGE-1 CPM	
120g CPM / Switch Fabric	
SFM X16	
SFM X16 B	
SFM X20	
SFM X20 B	
SFM X20S B	
Sun Workstation	
X4170	
XCM X16	
XCM X20	
Base Band	
Board	
Control Board	
SFAN	
SBBU Extension Card	
SBBU Interface Card	
4 x DS1/E1 CE	
12 x 100/1000 SFP + 12 x 10/100/1000 Ethernet	
24 x 10/100/1000 Ethernet SFP	
24 x 10/100/1000 Ethernet SFP + 2 x 10 GigE XFP	
2 x 10 GigE XFP	
6 x 100/1000 SFP + 4 x 10/100/1000 Ethernet	

(7 of 12)

Name	Value
12 x 10/100/1000 Ethernet SFP + 10 Copper + 4 x 10 GigE XFP	
4 X MWA Gig Ethernet (2 TX, 2 SFP) + 4 X Gig Ethernet SFP	
i8 x MWA Gig Ethernet (100/1000 SFP, 10/100/1000 RJ45) + 4 x FE (10/100 RJ45)	
12 x Serial Data	
16 x Channelized DS1/E1 ASAP	
16 x Channelized DS1/E1 ASAP v2	
i16 x Channelized DS1/E1 ASAP	
i16 x Channelized DS1/E1 ASAP v2	
2 x 10-Gig Bridged Ethernet XFP + 1 x 2.5G Virtual Ethernet	
2 x Channelized OC3/STM1 ASAP SFP	
32 x Channelized DS1/E1 ASAP v2	
i3 x 10/100/1000 Copper Ethernet + 4 x 10/100/1000 Ethernet SFP	
4 x Channelized DS3/E3 ASAP	
2 x Serial Data + 2 x Channelized DS1/E1	
4 x OC3/STM1 ASAP SFP	
6 x 10/100 Ethernet + 2 x 10/100/1000 Ethernet SFP	
6 x 10/100 Ethernet + 2 x 10/100/1000 Ethernet SFP v2	
i8 x 10/100/1000 Ethernet SFP v3	
6 x EM	
6 x FXS Interface	
8 x 10/100/1000 Ethernet SFP	
8 x 10/100/1000 Ethernet SFP v2	
8 x 10/100/1000 Ethernet SFP v3	
i8 x Channelized DS1/E1 ASAP	
8 x FXO Interface	
8 x Voice Teleprotection Interface	
Auxiliary Alarm	
1 x Gig Ethernet SFP CMA	
1 X Gig Ethernet XP SFP CMA	
1 x Channelized OC3 CES CMA	
2 x OC12/OC3 CMA	
2 x OC12/OC3 CMA B	
4 x DS3/E3 CMA	
5 X Gig Ethernet XP SFP CMA	
8 x 10/100 Ethernet Tx CMA	
8 X ATM DS1/E1 CMA	
8 x DS1/E1 Channel CMA	

(8 of 12)

Name	Value
VSM Cross Connect Adaptor	
VSM Cross Connect Adaptor Extended Performance	
20 PORT 10GE SFP + C-XMA	
2 PORT 100GE CFP C-XMA	
6 PORT 40GE QSFP C-XMA	
i1 x GPS Rx	
i3 x Gig SFP + 1 x 10/100/1000 Copper SyncE	
i4 x xDSL Ports	
i3 x Gig SFP + 2 x 10/100/1000 Copper PoE	
i3 x Gig SFP + 2 x 10/100/1000 Copper SyncE	
i3 x Gig SFP + 2 x 10/100/1000 Copper PoE+ SyncE	
i2 x 10/100/Gig Ethernet SFP + 4 x 10/100/Gig Ethernet TX RJ45	
i4 x 10/100/Gig Ethernet(2 SFP, 2 SFP/RJ45 Combo) + 4 x (PoE) 10/100/Gig Ethernet TX	
ICM 2 x 10-Gig Extended Performance XFP	
IMM 12 x 10GE SF	
IMM 1 x 100GE CFP	
IMM 1 x 40GE Extended Performance CFP	
IMM 1 x 40GE OTU3 DWDM Tunable Optics	
IMM 1 x OC768 OTU3 DWDM Tunable Optics	
IMM 24 x 10/100/1000 Ethernet Extended Performance SFP	
IMM 24 x 10/100/1000 Ethernet Extended Performance TX	
IMM 2 x 10GE Extended Performance XFP	
IMM 3 x 40GE Extended Performance QSFP	
IMM 40 x 10GE SFP	
IMM 4 x 100GE CXP	
IMM 4 x 10GE Extended Performance XFP	
IMM 5 x 10GE Extended Performance XFP	
IMM 10 x 10/100/1000 Ethernet SFP	
IMM 10 x 10/100/1000 Ethernet SFP + 1 x 10G XFP	
IMM 2 x 10G XFP	
IMM P10 x 10GE SFP	
IMM P1 x 100GE CFP	
IMM P1 x 100GE OTU4 DWDM Tunable Optics	
IMM P20 x 1GE SFP	
IMM P3 x 40GE QSFP	
IMM P6 x 10GE SFP	
ISA2 Tunnel	

(9 of 12)

Name	Value
ISA Application Assurance	
ISA Broadband Applications	
ISA IP Reassembly	
ISA Tunnel	
ISA Mobile	
ISA Multi-Service	
ISA Multi-Service Export	
ISA TMS	
ISA Video	
Integrated Services Card	
HSMDA 10 x 1 Gig SFP	
1 x 10-Gig Ethernet + 10 x 10/100/1000 Ethernet SFP	
10 x 10/100/1000 Ethernet SFP	
10 x 1-Gig Extended Performance SFP	
10 x 1-Gig Ethernet SFP	
2 x 10-Gig Ethernet + 12 x 1-Gig Ethernet XP	
12 x 1-Gig Extended Performance SFP	
12 x Channelized DS3/E3 ASAP	
12 x DS3/E3 Deep Channel	
16 x ATM OC3 SFP	
16 x ATM OC3 SFP B	
16 x OC12/OC3 SFP	
16 x OC12/OC3 SFP B	
16 x OC3 SFP	
1 x 10-Gig Ethernet DWDM Tunable Optics	
HSMDA 1 x 10-Gig XFP, B	
1 x 10-Gig Ethernet XFP	
1 x 10-Gig Extended Performance XFP	
1 x Channelized OC12 ASAP	
1 x Channelized OC12 CES	
1 x OC12 Deep Channel	
1 x Channelized OC3 CES	
Gig Ethernet SFP	
1 x OC192	
1 x 10-Gig Ethernet	
20 x 100 Ethernet Fx	
20 x 10/100/1000 Ethernet SFP	

(10 of 12)

Name	Value
20 x 10/100/1000 Ethernet Tx	
20 x 10/100/1000 Ethernet Extended Performance SFP	
20 x 10/100/1000 Ethernet Extended Performance TX	
24 x Fast Ethernet 10/100 FX	
24 x Fast Ethernet 10/100 TX	
24 x Gig Ethernet (20 FX, 4 Dual TX/FX)	
24 x Gig Ethernet (20 TX, 4 Dual TX/FX)	
2 x 10-Gig Ethernet XFP	
2 x 10-Gig Extended Performance XFP	
2 x 10Gig Ethernet Extended Performance XFP WaveTracker	
2 x Channelized OC12 ASAP	
2 x OC192 Extended Performance XFP	
2 x OC48 SFP	
m48-10/40G-eth-tx	
48 x Gig Ethernet Extended Performance TX	
48 x Fast Ethernet 10/100 TX	
4 x 10/100 Ethernet TX	
4 x 10-Gig Extended Performance XFP	
4 x 10/100/1000 Ethernet Tx	
4 x ATM OC12/OC3 SFP	
4 x ATM OC12/OC3 SFP B	
4 x DS3/E3 Deep Channel	
4 x Channelized OC3 ASAP	
4 x Channelized OC3 CES	
4 x OC3 Deep Channel	
4 x Gig Ethernet (2 TX, 2 FX)	
4 x OC48 SFP	
4 x OC48 SFP B	
5 x 10/100/1000 Ethernet SFP	
5 x 1-Gig Ethernet SFP	
60 x 10/100 Ethernet	
8 x OC12/OC3 SFP	
8 x OC3 SFP	
Power Injector Card	
1 Colour Optical Add/Drop Mux	
2 Colour Optical Add/Drop Mux	
4 Colour Optical Add/Drop Mux	

(11 of 12)

Name	Value
8 Colour Optical Add/Drop Mux	
XMDA 1p x 10GigE / 10p x 1GigE SFP	
XMDA 1p x 10GigE / 10p x 1GigE SFP v2	
GPON Module	
p1 x GPS Rx	
2 x 10-Gig Bridged Ethernet XFP + 1 x 2.5G Virtual Ethernet Module	
DCM Module	
DSL Module	
i2 x Serial Data	
No Daughter Card	
Unsupported Daughter Card	
40 PORT 10GE SFP+ XMA	
4 PORT 100GE CXP XMA	
DCM:Dispersion Comp. Card	
EC:Equipment Controller Card	
Fan Unit	
ITLB:Interleaver Card	
ITLU:Interleaver Card, Unidirectional	
PF:Power Filter Card	
User Interface Panel	
Amplifier and Associated Cards	
Optical Client/Line Cards	
Filter Card	
Optical Transponder Card	
PTP Card	
Wavelength Router Card	
22-Port (8 TX, 12 FX, 2 GE)	
24-Port (8 TX, 12 FX, 4 GE)	
2 x Gig Ethernet 1000 FX	
8 x Fast Ethernet 10/100 TX	
12 x Fast Ethernet 100 FX	
No Processor/Base Card	
No Change	
Unsupported Processor/Base Card	

(12 of 12)

Table 158-8 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING
Minimum	0
Maximum	16
Read-only	yes
Tab|Panel	General|Equipment Location Codes

Table 158-9 Clocking Reference

Name	Value
Displayed name	Clocking Reference
OSS name	masterSlaveClockingRefState
Type	equipment.ClockingRefState
Default	None
Read-only	yes
Tab|Panel	General|Master/Slave Clocking Reference State
Description	The current Master/Slave clocking reference designation.
Enumerated types	
None	
Not Initialized	
Primary	
Secondary	

Table 158-10 Equipped

Name	Value
Displayed name	Equipped
OSS name	isEquipped
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|Slot Details

Table 158-11 Hardware Class

Name	Value
Displayed name	Hardware Class
OSS name	hardwareClass
Type	equipment.HardwareClassType
Default	no
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
External Alarm Input	
Fam	
N/A	

Table 158-12 Internal Datapath Cell Error Count

Name	Value
Displayed name	Internal Datapath Cell Error Count
OSS name	complexChipIfCellErrCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Internal Datapath Cell Errors
Description	Indicates the number of times the complex experienced an occurrence of an internal datapath cell error since startup, or card reboot.

Table 158-13 Internal Datapath Error Count

Name	Value
Displayed name	Internal Datapath Error Count
OSS name	complexChipIfDownErrCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Internal Datapath Errors
Description	Indicates the number of times the complex experienced an occurrence of an internal datapath problem since startup, or card reboot.

Table 158-14 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complexBufMemErrOccTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|Buffer Memory Errors
Description	Indicates the last time tmnxCpmCardCmplBufMemErrOcc incremented.

Table 158-15 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complexCAMErrorOccurTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|Cam Errors
Description	indicates the last time tmnxCpmCardCmplxCAMErrOccur incremented.

Table 158-16 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complexChipIfCellOccTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|Internal Datapath Cell Errors
Description	Iindicates the last time tmnxCpmCardCmplChipIfCellOcc incremented.

Table 158-17 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complexChipIfDownOccTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|Internal Datapath Errors
Description	lindicates the last time tmnxCpmCardCmplChipIfDownOcc incremented.

Table 158-18 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complexIntMemErrOccTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|Internal Memory Errors
Description	Indicates the last time tmnxCpmCardCmplIntMemErrOcc incremented.

Table 158-19 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complexMemErrorOccurTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|PChip Memory Errors
Description	indicates the last time tmnxCpmCardCmplxMemErrOccurTime incremented.

Table 158-20 Last Occurred

Name	Value
Displayed name	Last Occurred
OSS name	complexStatMemErrOccTime
Type	DATE
Default	0
Read-only	yes
Tab|Panel	General|Statistics Memory Errors
Description	Indicates the last time tmnxCpmCardCmplMemMemErrOcc incremented.

Table 158-21 Manufacture Date

Name	Value
Displayed name	Manufacture Date
OSS name	manufactureDate
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 158-22 Manufacturer

Name	Value
Displayed name	Manufacturer
OSS name	manufacturer
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 158-23 Manufacturing Assembly No

Name	Value
Displayed name	Manufacturing Assembly No
OSS name	manufacturingAssemblyNo

(1 of 2)

Name	Value
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 158-24 Manufacturing Deviations

Name	Value
Displayed name	Manufacturing Deviations
OSS name	manufacturingDeviations
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 158-25 Manufacturing Variant

Name	Value
Displayed name	Manufacturing Variant
OSS name	manufacturingVariant
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 158-26 Memory Error Count

Name	Value
Displayed name	Memory Error Count
OSS name	complexBufMemErrCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Buffer Memory Errors
Description	Indicates the number of times the complex experienced an occurrence of a buffer memory error since startup, or card reboot.

Table 158-27 Memory Error Count

Name	Value
Displayed name	Memory Error Count
OSS name	complexIntMemErrCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Internal Memory Errors
Description	Indicates the number of times the complex experienced an occurrence of an internal memory error since startup, or card reboot.

Table 158-28 Memory Error Count

Name	Value
Displayed name	Memory Error Count
OSS name	complexMemErrorCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|PChip Memory Errors
Description	indicates the number of times the complex experienced an occurrence of a memory error since startup, or card reboot.

Table 158-29 Memory Error Count

Name	Value
Displayed name	Memory Error Count
OSS name	complexStatMemErrCount
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Statistics Memory Errors
Description	Indicates the number of times the complex experienced an occurrence of a statistics memory error since startup, or card reboot.

Table 158-30 Number Of Daughter Card Slots

Name	Value
Displayed name	Number Of Daughter Card Slots
OSS name	numberOfDaughterCardSlots
Type	INT
Default	2
Read-only	yes
Tab|Panel	General|Card Details

Table 158-31 Number Of Installed Daughter Cards

Name	Value
Displayed name	Number Of Installed Daughter Cards
OSS name	numberOfInstalledDaughterCards
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Card Details

Table 158-32 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	equipment.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	General|Equipment
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	

(1 of 2)

Name	Value
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	
Provisioned	
Reserved	
Reset Pending	
Shutting Down	
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

(2 of 2)

Table 158-33 Part Number

Name	Value
Displayed name	Part Number
OSS name	manufacturerBoardNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 158-34 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	serialNumber
Type	STRING
Maximum	252
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 158-35 Shelf ID

Name	Value
Displayed name	Shelf ID
OSS name	shelfId
Type	INT
Default	0
Read-only	yes
Tab|Panel	Slot|Equipment

Table 158-36 Shelf Type

Name	Value
Displayed name	Shelf Type
OSS name	shelfType
Type	equipment.ShelfType
Read-only	yes
Tab|Panel	General|Slot Details
Enumerated types	
1830 PSS 16	
1830 PSS 1 AHP	
1830 PSS 1 GBEH	
1830 PSS 1 MD4H	
1830 PSS 32	
1830 PSS 32s	
1830 PSS 36	
1830 PSS 4	
DCM :Dispersion Compensation Module Shelf	
ITLB: Interleaver Shelf, Bidirectional	
ITLU: Interleaver Shelf, Unidirectional	
1830 PSS 16 Shelf	
1830 PSS 32s 1.2T Shelf	
1830 PSS 32s 1.6T Shelf	

(1 of 7)

Name	Value
1830 PSS 32 Shelf	
1830 PSS 36 Shelf	
1830 PSS 4 Shelf	
SFD 40 B:Static Filter DWDM 40 Odd Channel Shelf	
SFD 40: Static Filter DWDM 40 Even Channel Shelf	
SFD 44 B :Static Filter DWDM 44 Odd Channel Shelf	
SFD 44: Static Filter DWDM 44 Even Channel Shelf	
1830 PSS Universal Shelf	
Empty Shelf	
Master Shelf	
Unknown Shelf	
OmniSwitch 10K	
OS6250-24	
OS6250-24M	
OS6250-24MD	
OS6250-8M	
OmniSwitch 6250	
OS6250-P24	
OS6400-24	
OS6400-48	
OmniSwitch 6400	
OS6400-DU24	
OS6400-P24	
OS6400-P48	
OS6400-U24	
OS6450-10	
OS6450-10L	
OS6450-24	
OS6450-24L	
OS6450-48	
OS6450-48L	
OS6450-P10	
OS6450-P10L	
OS6450-P24	
OS6450-P24L	
OS6450-P48	
OS6450-P48L	

(2 of 7)

Name	Value
OS6450-U24	
OS6850-24	
OS6850-24L	
OS6850-24LU	
OS6850-24X	
OS6850-48	
OS6850-48L	
OS6850-48LU	
OS6850-48X	
OmniSwitch 6850	
OS6850-P24	
OS6850-P24L	
OS6850-P24LU	
OS6850-P24X	
OS6850-P48	
OS6850-P48L	
OS6850-P48LU	
OS6850-P48X	
OS6850-U24X	
OS6850E-24	
OS6850E-24X	
OS6850E-48	
OS6850E-48X	
OmniSwitch 6850E	
OS6850E-P24	
OS6850E-P24X	
OS6850E-P48	
OS6850E-P48X	
OS6850E-U24X	
OS6855-14	
OS6855-24	
OmniSwitch 6855	
OmniSwitch 6855-U24X	
OS6855-U10	
OS6855-U24	
OS6855-U24X	
OmniSwitch 6900-T20	

(3 of 7)

Name	Value
OmniSwitch 6900-T40	
OmniSwitch 6900-X20	
OmniSwitch 6900-X40	
OmniSwitch 9600	
OmniSwitch 9700	
OmniSwitch 9700E	
OmniSwitch 9800	
OmniSwitch 9800E	
NUAGE-VSC-1	
NUAGE-1	
5780 DSC - ATCA	
5780 DSC - CSB	
5780 DSC - DCP	
5780 DSC - Non-ATCA	
5780 DSC - PCRF	
E-NODEB	
9412 D2U E-NODEB FDD	
9412 D2U E-NODEB Indoor FDD	
9412 D2U E-NODEB Outdoor with AMR FDD	
9412 D2U E-NODEB Outdoor without AMR FDD	
9412 D2U E-NODEB TDD	
9412 D2U E-NODEB Indoor TDD	
9412 D2U E-NODEB Outdoor with AMR TDD	
9412 D2U E-NODEB Outdoor without AMR TDD	
9412 D2U BUILT-IN EAM E-NODEB TDD	
9763 MCI FAM E-NODEB FDD	
9764 MCO FAM E-NODEB FDD	
9764 MCO FAM Adv E-NODEB FDD	
9764 MCO TRF E-NODEB FDD	
9926 D2U E-NODEB FDD	
9926 D2U E-NODEB TDD	
Pre-Provisioned E-NODEB	
7450-ESS12	
7450-ESS1	
7450-ESS24	
7450-ESS4	
7450-ESS6	

(4 of 7)

Name	Value
7450-ESS6V	
7450-ESS7	
GNE	
HIP Chassis	
7750-SR12-MG	
7750-SR7-MG	
MDR-8000E-Compak	
MDR-8000E-Standard	
MDR-8000i	
MDR-8000s	
MDR-8000u	
MDR 8000-Compact	
MDR 8000-Hot-Standby	
9471 MME	
9500 MPR-A Chassis 1	
9500 MPR-E Chassis 1	
9500 MPR-A Chassis 4	
9500 MPR-E Chassis 4	
9500 MPR-A	
9500 MPR-E	
MSS-1	
MSS-4	
MSS-8	
9500 MPRe	
7705-SAR18	
7705-SAR8	
7705-SAR8 v2	
7705-SARF	
7705 SAR-H	
7705 SAR-Hc	
7705-SARM ASAP	
7705-SARM ASAP FL	
7705 SAR-A	
7705 SAR-A T1/E1	
7705-SARM	
7705-SARM FL	
7705 SAR-W	

(5 of 7)

Name	Value
7705 SAR-Wx (4GE xDSL)	
7705 SAR-Wx (4GE xDSL GPS Rx)	
7705 SAR-Wx (5GE)	
7705 SAR-Wx (5GE GPS Rx)	
7705 SAR-Wx (5GE PoE+)	
7705 SAR-Wx (5GE PoE+ GPS Rx)	
7250 SAS ES	
7250 SAS ESA	
7250 SAS	
7210 SAS-D-6F-4T	
7210 SAS-D-6F-4T ETR	
7210 SAS-E	
7210 SAS-M-24F	
7210 SAS-M-24F-2XFP	
7210 SAS-M-24F-2XFP ETR	
7210 SAS-M-24F ETR	
7210 SAS-R6	
7210 SAS-T-12F-10T-4XFP	
7210 SAS-T-12F-10T-4XFP ETR	
7210 SAS-X-24F-2XFP	
9471 SGSN	
7701 CPAA	
7750-SR12	
7750-SRc12	
7750-SR12e	
7750-SR1	
7750-SR24	
7750-SRc4	
7750-SR4	
7710-SRc12	
7710-SRc4	
7750-SR7	
9471 SRS	
T4R	
T5 Compact 24F	
T5 Compact 24G	
T5 Compact 24GT	

(6 of 7)

158 — Processor Card

Name	Value
T5 Compact 24T	
T5 Compact 48T	
T5R	
Unknown	
9471 WMM	
7950-XRS16	
7950-XRS20	

(7 of 7)

Table 158-37 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Equipment

Table 158-38 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	Slot|Equipment

Table 158-39 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|Equipment

(2 of 2)

Table 158-40 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	Slot|Equipment

Table 158-41 Slot ID

Name	Value
Displayed name	Slot ID
OSS name	slotId
Type	INT
Minimum	1
Default	0
Mandatory on creation	yes
Tab|Panel	General|Slot Details

Table 158-42 Slot Name

Name	Value
Displayed name	Slot Name
OSS name	slotName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Slot Details

Table 158-43 Software Version

Name	Value
Displayed name	Software Version
OSS name	cardVersion
Type	STRING
Minimum	0
Maximum	50
Default	unknown
Read-only	yes
Tab|Panel	General|Card Details

159 —PSS MC Peer

Table 159-1 PSS MC Peer parameters

Parameters	
Administrative State	Shelf ID
Description	Site ID
Neighbor Match	Site Info
Peer ID	Slot ID
Peer Info	Source ID
Peer Name	

Table 159-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	netw.AdministrativeState
Default	Down
Tab|Panel	General|States
Enumerated types	
Down	
Up	
Unknown	
Inherit	

(1 of 2)

Name	Value
Not Operational	
Testing	
N/A	
Noop	

(2 of 2)

Table 159-3 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 159-4 Neighbor Match

Name	Value
Displayed name	Neighbor Match
OSS name	peerMatchFound
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General

Table 159-5 Peer ID

Name	Value
Displayed name	Peer ID
OSS name	peerId
Type	INT
Minimum	1
Maximum	250
Mandatory on creation	yes
Tab|Panel	General|General

Table 159-6 Peer Info

Name	Value
Displayed name	Peer Info
OSS name	matchingPeerPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Matching Peer
Description	Corresponds to the matching Peer object

Table 159-7 Peer Name

Name	Value
Displayed name	Peer Name
OSS name	peerName
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	General|General

Table 159-8 Shelf ID

Name	Value
Displayed name	Shelf ID
OSS name	shelfId
Type	LONG
Read-only	yes
Tab|Panel	General|Card Info

Table 159-9 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|Site

(2 of 2)

Table 159-10 Site Info

Name	Value
Displayed name	Site Info
OSS name	sitePointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Site

Table 159-11 Slot ID

Name	Value
Displayed name	Slot ID
OSS name	cardSlotId
Type	LONG
Read-only	yes
Tab|Panel	General|Card Info

Table 159-12 Source ID

Name	Value
Displayed name	Source ID
OSS name	sourceId
Type	INT
Read-only	yes
Tab|Panel	General|General

160 —PSS Software Upgrade script

Table 160-1 PSS Software Upgrade script parameters

Parameters	
Action	CardType
Action Result	Percentage Completed
Action Status	Result TimeStamp
Audit Stage	Shelf
Audit Step	Slot

Table 160-2 Action

Name	Value
Displayed name	Action
OSS name	swAuditScriptAction
Type	STRING
Tab|Panel	General|Software Upgrade Script
Description	The currently executing operation.

Table 160-3 Action Result

Name	Value
Displayed name	Action Result

(1 of 2)

Name	Value
OSS name	swAuditScriptActionResult
Type	STRING
Tab|Panel	General|Software Upgrade Script
Description	The status of the action.

(2 of 2)

Table 160-4 Action Status

Name	Value
Displayed name	Action Status
OSS name	swAuditScriptActionStatus
Type	STRING
Tab|Panel	General|Software Upgrade Script
Description	The status of the action.

Table 160-5 Audit Stage

Name	Value
Displayed name	Audit Stage
OSS name	swAuditScriptStage
Type	LONG
Tab|Panel	General|Software Upgrade Script
Description	The software upgrade stage. The lower bound is 0.

Table 160-6 Audit Step

Name	Value
Displayed name	Audit Step
OSS name	swAuditScriptStep
Type	LONG
Tab|Panel	General|Software Upgrade Script
Description	The step within the software upgrade stage.

Table 160-7 CardType

Name	Value
Displayed name	CardType
OSS name	swAuditScriptCardType
Type	equipment.CardSubType
Tab|Panel	General|Software Upgrade Script
Description	The card type of the card being upgraded.
Enumerated types	
Occupied by other Card	
112PDM11	
112SA1L	
112SCA1-100GEth	
112SCA1-OTU4	
112SCX10	
112SNA1-100GEth	
112SNA1-OTU4	
112SNX10	
112SX10L	
11DPE12A	
11DPE12E	
11DPE12	
11DPM12	
11OPE8	
11QCE12X	
11QPA4	
11QPE24	
11QPEN4	
11STAR1A	
11STAR1	
11STGE12	
11STMM10	
130SCX10	
1DPP24M-Master	
1DPP24M-Slave	
43SCA1-OTU3	
43SCA1-SONET/SDH	
43SCGE1	

(1 of 4)

160 — PSS Software Upgrade script

Name	Value
43SCX4	
43SCX4E	
43STA1P	
43STX4	
43STX4P	
4DPA2	
4DPA4 FlexMux	
4DPA4 DualTran	
4QPA8	
A2325A	
A2P2125	
AHPHG	
AHPLG	
ALPFGK	
ALPFGT	
ALPHG	
AM2017B	
AM2125A	
AM2125B	
AM2318A	
AM2325B	
BTC	
10AN10G	
24ANM	
CWR8-88	
CWR8	
DCM	
HKPCNTL	
EC	
Fan Unit	
FLC	
10ET10G	
24ET1GB	
4AN10G	
8ET1GB	
ITLB	
ITLU	

(2 of 4)

Name	Value
MT0C	
MESH4	
MVAC8B	
MVAC	
OPSA	
OPSB	
OSC	
OSCT	
PF	
PTPCTL	
PTPIO	
RA2P	
SFC1A	
SFC1B	
SFC1C	
SFC1D	
SFC1E	
SFC1F	
SFC1G	
SFC1H	
SFC2A	
SFC2B	
SFC2C	
SFC2D	
SFC4A	
SFC4B	
SFC8	
SFD40B	
SFD40	
SFD44B	
SFD44	
SFD4A	
SFD4B	
SFD4C	
SFD4D	
SFD4E	
SFD4F	

(3 of 4)

Name	Value
SFD4G	
SFD4H	
SFD5A	
SFD5B	
SFD5C	
SFD5D	
SFD5E	
SFD5F	
SFD5G	
SFD5H	
SFD8A	
SFD8B	
SFD8C	
SFD8D	
SVAC	
11QCUPC	
130SCUP	
MXEC320H	
MTC1T9	
User Interface Panel	
WR2-88	
WR8-88A	
WR8-88AF	
WTOCMA	
WTOCM	

(4 of 4)

Table 160-8 Percentage Completed

Name	Value
Displayed name	Percentage Completed
OSS name	swAuditScriptActionPercentCompleted
Type	INT
Units	%
Tab|Panel	General|Software Upgrade Script
Description	The percent completion of the action. Only applies when tnSwAuditScriptActionStatus is inProgress. It should be 0 at all other times.

Table 160-9 Result TimeStamp

Name	Value
Displayed name	Result TimeStamp
OSS name	swAuditScriptResultTimeStamp
Type	DATE
Tab|Panel	General|Software Upgrade Script
Description	The time at which the result occurred, measured in total time ticks (seconds) from the year 1970.

Table 160-10 Shelf

Name	Value
Displayed name	Shelf
OSS name	swAuditScriptShelf
Type	LONG
Tab|Panel	General|Software Upgrade Script
Description	The shelf id of the shelf being upgraded.

Table 160-11 Slot

Name	Value
Displayed name	Slot
OSS name	swAuditScriptSlot
Type	LONG
Tab|Panel	General|Software Upgrade Script
Description	The slot of the card being upgraded.

161 —PTP

Table 161-1 PTP parameters

Parameters	
Clock Mode Frequency Reference	Time Reference

Table 161-2 Clock Mode

Name	Value
Displayed name	Clock Mode
OSS name	ptpClockMode
Type	ptp.PtpClockMode
Default	0
Tab|Panel	General|General
Description	Specifies the PTP Clock Mode
Enumerated types	
Boundary Clock	
Ordinary Clock - Master	
Ordinary Clock - Slave	
PTP Disabled	

Table 161-3 Frequency Reference

Name	Value
Displayed name	Frequency Reference
OSS name	ptpFrequencyReference
Type	ptp.PtpFrequencyReference
Default	0
Tab|Panel	General|General
Description	Specifies the Frequency Reference
Enumerated types	
Layer 1A	
PTP	

Table 161-4 Time Reference

Name	Value
Displayed name	Time Reference
OSS name	ptpTimeReference
Type	ptp.PtpTimeReference
Default	1
Tab|Panel	General|General
Description	Specifies the Time Reference
Enumerated types	
External 1pps	
External ToD	
External TOD or Recovered PTP	
Recovered PTP	

162 —PTP Alarm Profile

Table 162-1 PTP Alarm Profile parameters

Parameters	
Category Condition Default Severity	Direction Override Severity

Table 162-2 Category

Name	Value
Displayed name	Category
OSS name	alarmEntityType
Type	optical.TrapEntityType
Mandatory on creation	yes
Tab|Panel	General|General
Description	The trap entity type
Enumerated types	
ALL	
BITS	
CBR10G3	
CBR2G5	
CBRAR	

(1 of 6)

Name	Value
COM	
CPDPR	
CPLMP	
CPNEIGHBOR	
CPRSVP	
DBLINK	
DDR	
E1	
ENV	
EQPT	
FC10G	
FC16G	
FC100	
FC200	
FC400	
FC800	
FE	
40GBE	
1GBE	
GMRENODE	
100GBE	
LAG	
LINEREF	
LOG	
LOODU	
LSP	
MEP	
NETIF	
OC12/STM4	
OC192/STM64	
OC3/STM1	
OC48/STM16	
OC768/STM256	
OCH	
ODU0	
ODU0TCM	
ODU1	

(2 of 6)

Name	Value
ODU1F	
ODU1FTCM	
ODU1ODU0	
ODU1ODU0TCM	
ODU1PTF	
ODU1TCM	
ODU2	
ODU2E	
ODU2EODU0	
ODU2EODU0TCM	
ODU2EODU1	
ODU2EODU1TCM	
ODU2EODUF	
ODU2EODUFTCM	
ODU2ETCM	
ODU2ODU0	
ODU2ODU0TCM	
ODU2ODU1	
ODU2ODU1TCM	
ODU2ODUF	
ODU2ODUFTCM	
ODU2TCM	
ODU3	
ODU3E	
ODU3E2	
ODU3E2ODU0	
ODU3E2ODU0TCM	
ODU3E2ODU1	
ODU3E2ODU1TCM	
ODU3E2ODU2	
ODU3E2ODU2E	
ODU3E2ODU2ETCM	
ODU3E2ODU2TCM	
ODU3E2ODUF	
ODU3E2ODUFTCM	
ODU3E2TCM	
ODU3EODU0	

(3 of 6)

Name	Value
ODU3EODU0TCM	
ODU3EODU1	
ODU3EODU1TCM	
ODU3EODU2	
ODU3EODU2E	
ODU3EODU2ETCM	
ODU3EODU2TCM	
ODU3EODUF	
ODU3EODUFTCM	
ODU3ETCM	
ODU3ODU0	
ODU3ODU0TCM	
ODU3ODU1	
ODU3ODU1TCM	
ODU3ODU2	
ODU3ODU2E	
ODU3ODU2ETCM	
ODU3ODU2TCM	
ODU3ODUF	
ODU3ODUFTCM	
ODU3TCM	
ODU4	
ODU4ODU0	
ODU4ODU0TCM	
ODU4ODU1	
ODU4ODU1F	
ODU4ODU1FTCM	
ODU4ODU1TCM	
ODU4ODU2	
ODU4ODU2E	
ODU4ODU2ETCM	
ODU4ODU2TCM	
ODU4ODU3	
ODU4ODU3E	
ODU4ODU3E2	
ODU4ODU3E2TCM	
ODU4ODU3ETCM	

(4 of 6)

Name	Value
ODU4ODU3TCM	
ODU4ODUF	
ODU4ODUFTCM	
ODU4TCM	
ODUF	
ODUFTCM	
OFA	
OMS	
OPTSG	
OTNFAC	
OTS	
OTU	
OTU0	
OTU1	
OTU1F	
OTU2	
OTU2E	
OTU3	
OTU3E	
OTU3E2	
OTU4	
OTUODU0	
OTUODU0TCM	
OTUODU1	
OTUODU1F	
OTUOODU1FTCM	
OTUODU1TCM	
OTUODU2	
OTUODU2E	
OTUODU2ETCM	
OTUODU2TCM	
OTUODU3	
OTUODU3E	
OTUODU3E2	
OTUODU3E2TCM	
OTUODU3ETCM	
OTUODU3TCM	

(5 of 6)

Name	Value
OTUODU4	
OTUODU4TCM	
PLK	
PM	
PTPCLOCK	
PTPPORT	
RMD	
RMDCESCHNNEL	
RMDIF	
RMDIFMAU	
RMDMEP	
RMDNIM	
SCLOCK	
SDR	
SESSION	
SRERP	
SRMEP	
SROAMSAACTL	
SRSAP	
SRSVC	
SYNC	
TELINK	
10GBE	
TIMING	
TOD	
TRU	
VTS	

(6 of 6)

Table 162-3 Condition

Name	Value
Displayed name	Condition
OSS name	alarmCondition
Type	optical.TrapCondition
Mandatory on creation	yes
Tab|Panel	General|General

(1 of 32)

Name	Value
Description	The trap condition
Enumerated types	
aesFipsFailure	
aisLM	
aisLmsAis	
aisPauAis	
aisTcm	
alienEgrLOS	
allChanMiss	
allChanMissOut	
almRSync	
almRSyncEnd	
ampDisabled	
ampEol	
ANNOUNCELOSS	
apeInProgress	
aprInvalidTopo	
aprLine	
aprNode	
aprOsc	
aprSwitch	
aprUnavail	
aprUnavailOsc	
apsB	
apsCm	
apsMm	
apsNoRed	
arcIND	
asonTopo	
auAisP	
auLopP	
authFail	
autoReset	
autoSwTimRef	
autoSwTimRefT4	
autoSyncSw	
b1Sd	

(2 of 32)

Name	Value
backupUnavail	
backwardDefectIndicationEgress	
baseline	
bdi	
bdiOdu	
bdiOduOut	
bdiTcm	
binsRolled	
bitsAIS	
bitsLof	
bitsLos	
bitsMAN	
bkupCom	
boardEqpt	
brkTrip	
capBufr	
cardBoot	
cardIdRcvd	
cardInBoot	
cardInit	
cardInitBcm	
cardInitFail	
cardInitNonBcm	
cardNotAllowed	
cardSanity	
cbr10G3RxLOS	
cbr10G3RxLSS	
ccActChg	
cfCapacityWarning	
cfmAisEvnt	
cfmDmTestComplete	
cfmFltEvnt	
cfmLbmTestComplete	
cfmLmTestComplete	
cfmLtmTestComplete	
cfmSlmTestComplete	
change	

(3 of 32)

Name	Value
channelViolation	
chkBkplane	
ckm	
clearAllTcas	
colorViolation	
comm	
commDeg	
commDown	
configFail	
contBus	
contCom	
contComm	
contEqpt	
contEqptSplit	
contr	
contrDup	
contrenDgr	
contrenFail	
contrOut	
cpuPerformance	
crdInit	
crTca	
csf	
csfGfp	
CSFGFPOUT	
csfOduEgr	
csfOduOut	
dataErr	
dataFlt	
dbErr	
dbFl	
dbFt	
dbFull	
dbInvalid	
dbMemTrf	
dbUnsync	
dcConfigFail	

(4 of 32)

Name	Value
deg	
degOtu	
degOut	
degTcm	
DELAYRESLOSS	
dormantUser	
dwAis	
dwLof	
dwLom	
dwSd	
dwSf	
e1AisEgr	
e1AisL	
e1Lof	
e1LofEgr	
e1Los	
e1NoCrc4M	
e1NoCRC4MEgr	
e1Rai	
e1RaiEgr	
ebero	
egressSSF	
envInput1Active	
envInput2Active	
envInput3Active	
envInput4Active	
envInput5Active	
envInput6Active	
envInput7Active	
envInput8Active	
eptUploadErr	
eqpt	
eqptCrypto	
eqptDgr	
eqptDgrMon	
eqptDgrOch	
eqptDgrOchOut	

(5 of 32)

Name	Value
eqptDgrOut	
eqptPort	
erpFwdStateChng	
escLatchFail	
esm	
ethCSF	
ethRingPathProvMismatch	
etrMismatch	
etrMismatchMod	
excessLoad	
excessLoss	
facServ	
facTerm	
facTermDev	
facTermDgr	
fan32HRqd	
fanSpeed	
fanSpeedHigh	
fanSpeedLow	
fanSpeedMan	
farEndLos	
faulty	
fdi	
fdiClt	
feAls	
feasibilityViolation	
fecEcSd	
fecFail	
fecUbcSd	
feFlt	
feLfi	
feLos	
feLss	
fePortMismatch	
fePrLf	
feRfi	
fipsFailure	

(6 of 32)

Name	Value
fipsSwMismatch	
flt	
fpgaFail	
fpgaInit	
FPGAINIT1	
FPGAINIT10	
FPGAINIT2	
FPGAINIT3	
FPGAINIT4	
FPGAINIT5	
FPGAINIT6	
FPGAINIT7	
FPGAINIT8	
FPGAINIT9	
FPGAPRELOAD	
fpgaTimeout	
frcdSwTimRef	
frcdSwTimRefT4	
frcdWkSwBk	
frcdWkSwBkVTS1	
frcdWkSwBkVTS10	
frcdWkSwBkVTS2	
frcdWkSwBkVTS3	
frcdWkSwBkVTS4	
frcdWkSwBkVTS5	
frcdWkSwBkVTS6	
frcdWkSwBkVTS7	
frcdWkSwBkVTS8	
frcdWkSwBkVTS9	
frcdWkSwPr	
frcdWkSwPrVTS1	
frcdWkSwPrVTS10	
frcdWkSwPrVTS2	
frcdWkSwPrVTS3	
frcdWkSwPrVTS4	
frcdWkSwPrVTS5	
frcdWkSwPrVTS6	

(7 of 32)

Name	Value
frcdWkSwPrVTS7	
frcdWkSwPrVTS8	
frcdWkSwPrVTS9	
frngSync	
fwPendingObsolete	
fwUpgradePending	
fwVersionNotDefault	
gfpLof	
GFPLOFOUT	
gfpSsf	
gfpUpm	
hdFail	
hdFull	
hiBer	
highGain	
hldOvrSync	
hpPlmP	
hpRdiP	
hpUneqP	
hwRevisionNotSupported	
igmpSnpgSrcLimitExceed	
imageNotReady	
incompatFan	
inhMsgPmRept	
init	
inMigration	
int	
intErr	
intrusion	
intrusionEvt	
intSft	
intTemp	
intTempHigh	
intTempLow	
intTempOpt	
invalidEgress	
invalidThreshold	

(8 of 32)

Name	Value
invalidThresholdOms	
invalidThresholdOts	
invalidTopo	
inventoryError	
keyDomainErr	
lagDeg	
lagLos	
lagPortAddFailed	
lagSubGrpSelect	
lanLfi	
lanLol	
lanLos	
lanRfi	
lanSf	
laserBackFacetOptPwrTca	
laserCoolingCurTca	
laserEOL	
laserOffLpbk	
lck	
lckOut	
lckTcm	
ledState	
lfd	
lfiEgr	
linkDiviersity	
linkDown	
linkoamLoopDetected	
linkoamNonThresh	
linkoamPeerChng	
linkUp	
loam	
lockedIndicationEgress	
lockoutOfPr	
lockoutOfPrVTS1	
lockoutOfPrVTS10	
lockoutOfPrVTS2	
lockoutOfPrVTS3	

(9 of 32)

Name	Value
lockoutOfPrVTS4	
lockoutOfPrVTS5	
lockoutOfPrVTS6	
lockoutOfPrVTS7	
lockoutOfPrVTS8	
lockoutOfPrVTS9	
lockoutOfTimRef	
lockoutOfTimRefT4	
lockoutToPr	
lof	
lofEgr	
lofLom	
lofLomOut	
lofO	
loGain	
logBuf90SecuLog	
logBufOvflSecuLog	
lol	
lopPauLop	
los	
losDcm	
losEdfa	
losLdSig	
losO	
losOamp	
losOcm	
losOms	
losOOut	
losOts	
losOut	
losP	
losPId	
lossOfLock	
lostClock	
lotOut	
lpbkLine	
lpbkTerm	

(10 of 32)

Name	Value
IspFailedApe	
IspFailedPre	
IspFailedTp	
IspFailedUnprot	
IspFailedXc	
IsrOutDgr	
Iss	
IssEgr	
ItcTcm	
man	
manLR	
manReset	
manSwTimRef	
manSwTimRefT4	
manSwToInt	
manSwToPri	
manSwToSec	
manWkSwBk	
manWkSwBkVTS1	
manWkSwBkVTS10	
manWkSwBkVTS2	
manWkSwBkVTS3	
manWkSwBkVTS4	
manWkSwBkVTS5	
manWkSwBkVTS6	
manWkSwBkVTS7	
manWkSwBkVTS8	
manWkSwBkVTS9	
manWkSwPr	
manWkSwPrVTS1	
manWkSwPrVTS10	
manWkSwPrVTS2	
manWkSwPrVTS3	
manWkSwPrVTS4	
manWkSwPrVTS5	
manWkSwPrVTS6	
manWkSwPrVTS7	

(11 of 32)

Name	Value
manWkSwPrVTS8	
manWkSwPrVTS9	
mepAIS	
mepError	
mepLoc	
mepMacError	
mepMmg	
mepRemote	
mepXcon	
mirrorDestDisable	
mirrorDestEnable	
mirrorSrcDisable	
mirrorSrcEnable	
mismatch	
mismatchFiber	
mismatchSfpXfp	
missing	
mixedPFUsed	
mjTca	
mnTca	
mod	
modOutOOR	
msim	
mtcesurv	
mtcesurvDgr	
neAIs	
neFlt	
neModeMismatch	
net	
netCraft	
neUnreachable	
nkm	
nodeDeg	
notUsed1	
notUsed2	
notUsed3	
notUsed4	

(12 of 32)

Name	Value
ntpChkSig	
ntpClkAdj	
ntpLor	
ntpOoSync	
nunvComm	
nunvConfig	
nunvIndetermined	
nunvReversion	
nunvTpBlocked	
nunvTransmission	
nvMismatch	
oaPumpBiasCurrHigh	
oaPumpTempHigh	
objCreated	
objDeleted	
ochCollision	
ochCollisionOut	
ochFdi	
ochIntErr	
ochKeyDup	
ochKeyOverlap	
ochKeysReused	
ochKeyUnavail	
ochMissing	
ochPdi	
ochPwrUnstable	
ochTrailDup	
ochTrailUnknown	
ochUnknown	
ochUnknownOut	
oci	
ociOut	
ociTcm	
ocsAuditFail	
ocsAuditSuccess	
ocsDataFlt	
ocsDataRtrv	

(13 of 32)

Name	Value
ocsUnavail	
ocsUplinkDeleted	
oduAis	
oduAisEgress	
oduAisOut	
omsSSF	
openConnectionIndicationEgress	
opr	
oprIngress	
oprLossHigh	
oprLossLow	
oprOOR	
oprOut	
oprPwrHigh	
oprPwrLow	
oprTx	
oprUnachieve	
opticalParamErr	
optIntBase	
optIntDet	
optIntSusp	
oscSsf	
OSNRMESC	
ospfAdj	
otmcpf	
otuAis	
ovrId	
payloadTypeMismatchEgress	
pcsGeneratorActive	
pdi	
pdiPauPdi	
PGFPGAFAIL1	
PGFPGAFAIL2	
PGFPGAFAIL3	
PGFPGAFAIL4	
PGFPGAFAIL5	
PGFPGAINIT1	

(14 of 32)

Name	Value
PGFPGAINIT2	
PGFPGAINIT3	
PGFPGAINIT4	
PGFPGAINIT5	
plm	
plmOduOut	
plmPauPlm	
ppsLos	
prcdrErr	
prcdrErrOut	
prcdrErrTopo	
prcdrErrTopoOut	
PTPFREERUN	
PTPGMDEGRADE	
PTPGMSWITCH	
PTPPATHSWITCH	
PTPPORTSWITCH	
PTPREFLOSS	
PTPREFUNSTABLE	
pwr	
pwrAdjComms	
pwrAdjFail	
pwrAdjFailAdd	
pwrAdjFailDrp	
pwrAdjReq	
pwrAdjReqAdd	
pwrAdjReqDrp	
pwrAlmp	
pwrEdfaMargin	
pwrFan	
pwrMargin	
pwrMaxGain	
pwrMgtOff	
pwrSusp	
pwrSuspOut	
pwrTiltParams	
pwrTiltSusp	

(15 of 32)

Name	Value
pwrUnbalance	
pwrUnbalanceOms	
ramanSup	
rcvrOptProg	
rdi	
rdiL	
readyToRevert	
replUnitMiss	
replUnitMissMOD	
reRouted	
restorationDisabled	
rfi	
rfiEgr	
rfiLmsRfi	
rfiPauRfi	
rmdCesChannelLPL	
rmdCesChannelNoTdmPl	
rmdCesChannelRPL	
rmdDiscoveredDevice	
rmdDNR	
rmdEQF	
rmdIfEFMLOP	
rmdIfLOS	
rmdIfMauANM	
rmdIfMauEQF	
rmdIfMauLOS	
rmdIfMauUNI	
rmdIfMauWUP	
rmdJbRecentered	
rmdMepLOC	
rmdMepMMG	
rmdMepRDI	
rmdMepUNL	
rmdMepUNM	
rmdMepUNP	
rmdNDF	
rmdNimLOF	

(16 of 32)

Name	Value
rmdPWR	
rmdTypeMismatch	
rmdUnknownEcid	
rmdWDP	
rmdWrongDestMac	
routeNotPossible	
sapOperDown	
sapStateChng	
sapTlsMacAddrLimitAlarm	
sd	
sdegO	
seepScrub	
serverSignalFailureEgress	
sf	
sfMismatch	
sfpEOL	
sfpReceiverPwrOOR	
sfpTempOOR	
sfpTrmtPwrOOR	
sft	
shelfInVoltHigh	
shelfInVoltLow	
signalDegradeEgress	
SLCBOOTCONTCOM	
SLCCARDINIT	
SLCCLKSYNC	
SLCCONTCOM	
SLCDATAFLT	
SLCEQPTBOOT	
SLCMISMATCH	
SLCNOTINSERVICE	
slcr	
sltmSig	
spLoAdjFail	
srgDiviersity	
srTca	
ssf	

(17 of 32)

Name	Value
ssfCltEgr	
ssfOdu	
ssfOduOut	
ssfOduTp	
ssfOtu	
SSFSECTION	
SSFSECTIONOUT	
ssfTcm	
subNodeUnreachable	
svcOperDown	
svcStateChng	
svcTlsFwdTblFullAlarm	
svcTlsMfibTblFullAlarm	
swEqpt	
swftDwn	
swMtxMod	
swToSec	
swUpgCommit	
swUpgFail	
swUpgrade	
sync	
syncActRef	
syncClk	
syncClkFail	
syncClkFrng	
syncClkHldovr	
syncClkMode	
syncClkUnit	
syncCommand	
syncEqpt	
syncIfTimingHoldover	
syncIfTimingRef1Alarm	
syncIfTimingRef2Alarm	
SYNCLOSS	
syncMode	
syncOos	
syncOosT4	

(18 of 32)

Name	Value
syncRefFail	
syncRefUnEq	
syncStatChng	
syncSys	
syncSysOos	
syncT4Out	
sysBoot	
sysInit	
systemReady	
tBbeMs15Min	
tBbeMs1Day	
tBbeOdu15Min	
tBbeOdu15MinOut	
tBbeOdu1Day	
tBbeOdu1DayOut	
tBbeOtu15Min	
tBbeOtu1Day	
tBbeP15Min	
tBbeP1Day	
tBbePt15Min	
tBbePt1Day	
tBbeRs15Min	
tBbeRs1Day	
tBbeRst15Min	
tBbeRst1Day	
tBbeTcm15Min	
tBbeTcm1Day	
tBerPostFec15min	
tBerPostFec1day	
tBerPreFec15min	
tBerPreFec1day	
tBiaesOtu15Min	
tBiaesOtu1Day	
tBiaesTcm15Min	
tBiaesTcm1Day	
tcmAis	
tCv15Min	

(19 of 32)

Name	Value
tCv1Day	
tCvPcs15Min	
tCvPcs1Day	
tCvPcst15Min	
tCvPcst1Day	
tCvs15Min	
tCvs1Day	
tCvst15Min	
tCvst1Day	
termOc192stm64	
termOc312stm14	
termOc48stm16	
termOtu1	
termOtu2	
tEs15Min	
tEs1Day	
tEsL15Min	
tEsL1Day	
tEsMs15Min	
tEsMs1Day	
tEsOdu15Min	
tEsOdu15MinOut	
tEsOdu1Day	
tEsOdu1DayOut	
tEsOtu15Min	
tEsOtu1Day	
tEsP15Min	
tEsP1Day	
tEsPcs15Min	
tEsPcs1Day	
tEsPcst15Min	
tEsPcst1Day	
tEsPt15Min	
tEsPt1Day	
tEsRs15Min	
tEsRs1Day	
tEsRst15Min	

(20 of 32)

Name	Value
tEsRst1Day	
tEss15Min	
tEss1Day	
tEsst15Min	
tEsst1Day	
tEsTcm15Min	
tEsTcm1Day	
testMode	
tEthpkter15Min	
tEthpkter1Day	
tEthpktert15Min	
tEthpktert1Day	
tFebbeMs15Min	
tFebbeMs1Day	
tFebbeOdu15Min	
tFeBbeOdu15MinOut	
tFebbeOdu1Day	
tFeBbeOdu1DayOut	
tFebbeOtu15Min	
tFebbeOtu1Day	
tFebbeTcm15Min	
tFebbeTcm1Day	
tFecc15Min	
tFecc1Day	
tFecUbc15Min	
tFecUbc1Day	
tFecUbu15Min	
tFecUbu1Day	
tFeesMs15Min	
tFeesMs1Day	
tFeesOdu15Min	
tFeEsOdu15MinOut	
tFeesOdu1Day	
tFeEsOdu1DayOut	
tFeesOtu15Min	
tFeesOtu1Day	
tFeesTcm15Min	

(21 of 32)

Name	Value
tFeesTcm1Day	
tFesesMs15Min	
tFesesMs1Day	
tFesesOdu15Min	
tFeSesOdu15MinOut	
tFesesOdu1Day	
tFeSesOdu1DayOut	
tFesesOtu15Min	
tFesesOtu1Day	
tFesesTcm15Min	
tFesesTcm1Day	
tFeuasMs15Min	
tFeuasMs1Day	
tFeuasOdu15Min	
tFeUasOdu15MinOut	
tFeuasOdu1Day	
tFeUasOdu1DayOut	
tFeuasOtu15Min	
tFeuasOtu1Day	
tFeuasTcm15Min	
tFeuasTcm1Day	
tIaesOtu15Min	
tIaesOtu1Day	
tIaesTcm15Min	
tIaesTcm1Day	
tim	
timOdu	
timOduOut	
timTcm	
toDDEG	
toDLOS	
TODREFUNSTABLE	
tOprh15Min	
tOprh1Day	
tOprhLane1	
tOprhLane10	
tOprhLane2	

(22 of 32)

Name	Value
tOprhLane3	
tOprhLane4	
tOprhLane5	
tOprhLane6	
tOprhLane7	
tOprhLane8	
tOprhLane9	
tOprl15Min	
tOprl1Day	
tOprlLane1	
tOprlLane10	
tOprlLane2	
tOprlLane3	
tOprlLane4	
tOprlLane5	
tOprlLane6	
tOprlLane7	
tOprlLane8	
tOprlLane9	
tOpth15Min	
tOpth1Day	
tOpthLane1	
tOpthLane10	
tOpthLane2	
tOpthLane3	
tOpthLane4	
tOpthLane5	
tOpthLane6	
tOpthLane7	
tOpthLane8	
tOpthLane9	
tOptl15Min	
tOptl1Day	
tOptlLane1	
tOptlLane10	
tOptlLane2	
tOptlLane3	

(23 of 32)

Name	Value
tOptILane4	
tOptILane5	
tOptILane6	
tOptILane7	
tOptILane8	
tOptILane9	
tPmonDmaBfd15Min	
tPmonDmaBfd1Day	
tPmonDmaffd15Min	
tPmonDmaffd1Day	
tPmonDmafFdv15Min	
tPmonDmafFdv1Day	
tPmonDmanfd15Min	
tPmonDmanfd1Day	
tPmonDmanFdv15Min	
tPmonDmanFdv1Day	
tPmonDmxBfd15Min	
tPmonDmxBfd1Day	
tPmonDmxffd15Min	
tPmonDmxffd1Day	
tPmonDmxfFdv15Min	
tPmonDmxfFdv1Day	
tPmonDmxnfd15Min	
tPmonDmxnfd1Day	
tPmonDmxnFdv15Min	
tPmonDmxnFdv1Day	
tPmonLmafflr15Min	
tPmonLmafflr1Day	
tPmonLmanflr15Min	
tPmonLmanflr1Day	
tPmonLmfhli15Min	
tPmonLmfhli1Day	
tPmonLmnhli15Min	
tPmonLmnhli1Day	
tPmonLmxfflr15Min	
tPmonLmxfflr1Day	
tPmonLmxnflr15Min	

(24 of 32)

Name	Value
tPmonLmxnfIr1Day	
tPmonPortHighCapacityOctets15Min	
tPmonPortHighCapacityOctets1Day	
tPmonPortHighCapacityPkts15Min	
tPmonPortHighCapacityPkts1Day	
tPmonPortIfInDiscards15Min	
tPmonPortIfInDiscards1Day	
tPmonPortIfInErrors15Min	
tPmonPortIfInErrors1Day	
tPmonPortIfInOctets15Min	
tPmonPortIfInOctets1Day	
tPmonPortIfInPackets	
tPmonPortIfInPackets15Min	
tPmonPortIfOutDiscards15Min	
tPmonPortIfOutDiscards1Day	
tPmonPortIfOutErrors15Min	
tPmonPortIfOutErrors1Day	
tPmonPortIfOutOctets15Min	
tPmonPortIfOutOctets1Day	
tPmonPortIfOutPackets15Min	
tPmonPortIfOutPackets1Day	
tPmonPortQueue1OctetsDropped15Min	
tPmonPortQueue1OctetsDropped1Day	
tPmonPortQueue1PktsDropped15Min	
tPmonPortQueue1PktsDropped1Day	
tPmonPortQueue2OctetsDropped15Min	
tPmonPortQueue2OctetsDropped1Day	
tPmonPortQueue2PktsDropped15Min	
tPmonPortQueue2PktsDropped1Day	
tPmonPortQueue3OctetsDropped15Min	
tPmonPortQueue3OctetsDropped1Day	
tPmonPortQueue3PktsDropped15Min	
tPmonPortQueue3PktsDropped1Day	
tPmonPortQueue4OctetsDropped15Min	
tPmonPortQueue4OctetsDropped1Day	
tPmonPortQueue4PktsDropped15Min	
tPmonPortQueue4PktsDropped1Day	

(25 of 32)

Name	Value
tPmonPortQueue5OctetsDropped15Min	
tPmonPortQueue5OctetsDropped1Day	
tPmonPortQueue5PktsDropped15Min	
tPmonPortQueue5PktsDropped1Day	
tPmonPortQueue6OctetsDropped15Min	
tPmonPortQueue6OctetsDropped1Day	
tPmonPortQueue6PktsDropped15Min	
tPmonPortQueue6PktsDropped1Day	
tPmonPortQueue7OctetsDropped15Min	
tPmonPortQueue7OctetsDropped1Day	
tPmonPortQueue7PktsDropped15Min	
tPmonPortQueue7PktsDropped1Day	
tPmonPortQueue8OctetsDropped15Min	
tPmonPortQueue8OctetsDropped1Day	
tPmonPortQueue8PktsDropped15Min	
tPmonPortQueue8PktsDropped1Day	
tPmonSapIngressOctetsDropped15Min	
tPmonSapIngressOctetsDropped1Day	
tPmonSapIngressPktsDropped15Min	
tPmonSapIngressPktsDropped1Day	
tPmonSImaffIr15Min	
tPmonSImafFIr1Day	
tPmonSImaffIrContinuous	
tPmonSImanfIr15Min	
tPmonSImanFIr1Day	
tPmonSImanfIrContinuous	
tPmonSImfhIi15Min	
tPmonSImfhIi1Day	
tPmonSImfhIiContinuous	
tPmonSImnhIi15Min	
tPmonSImnhIi1Day	
tPmonSImnhIiContinuous	
tPmonSImxfFIr1Day	
tPmonSImxffIrContinuous	
tPmonSImxnFIr1Day	
tPmonSImxnfIrContinuous	
tPostFec15Min	

(26 of 32)

Name	Value
tPostFec1Day	
tPreFec15Min	
tPreFec1Day	
trailTraceIdentifierMismatchEgress	
transferLogFL	
transferLogFT	
transferLogIP	
trmt	
trmtMOD	
TRUBRKROPEN	
tSefs15Min	
tSefs1Day	
tSefsPcs15Min	
tSefsPcs1Day	
tSefsPcst15Min	
tSefsPcst1Day	
tSefss15Min	
tSefss1Day	
tSefsst15Min	
tSefsst1Day	
tSes15Min	
tSes1Day	
tSesL15Min	
tSesL1Day	
tSesMs15Min	
tSesMs1Day	
tSesOdu15Min	
tSesOdu15MinOut	
tSesOdu1Day	
tSesOdu1DayOut	
tSesOtu15Min	
tSesOtu1Day	
tSesP15Min	
tSesP1Day	
tSesPcs15Min	
tSesPcs1Day	
tSesPcst15Min	

(27 of 32)

Name	Value
tSesPcst1Day	
tSesPt15Min	
tSesPt1Day	
tSesRs15Min	
tSesRs1Day	
tSesRst15Min	
tSesRst1Day	
tSess15Min	
tSess1Day	
tSesst15Min	
tSesst1Day	
tSesTcm15Min	
tSesTcm1Day	
tsMismatch	
tsMismatchOut	
tUasMs15Min	
tUasMs1Day	
tUasOdu15Min	
tUasOdu15MinOut	
tUasOdu1Day	
tUasOdu1DayOut	
tUasOtu15Min	
tUasOtu1Day	
tUasP15Min	
tUasP1Day	
tUasPt15Min	
tUasPt1Day	
tUasRs15Min	
tUasRs1Day	
tUasRst15Min	
tUasRst1Day	
tUasTcm15Min	
tUasTcm1Day	
unexWkSet	
unknown	
unknownNotif	
unknownSfpXfp	

(28 of 32)

Name	Value
unL	
unM	
unMOrUnP	
unP	
unPr	
upm	
uruOchLos	
uruOmsRx	
uruOmsTx	
uruOtsLos	
uruOtsRx	
uruOtsTx	
uruOtu	
uruS	
usAis	
usAIs	
userEqptMismatch	
usFlt	
usIdle	
usLos	
usOchCollision	
usSFEber	
vcgDown	
vcgLoa	
vcgMap	
vcgSsf	
vcMfi	
voltage	
voltageHigh	
voltageLow	
vtsConnCreation	
vtsFdi	
vtsFdi1	
vtsFdi10	
vtsFdi11	
vtsFdi12	
vtsFdi13	

(29 of 32)

Name	Value
vtsFdi14	
vtsFdi15	
vtsFdi16	
vtsFdi17	
vtsFdi18	
vtsFdi19	
vtsFdi2	
vtsFdi20	
vtsFdi21	
vtsFdi22	
vtsFdi23	
vtsFdi24	
vtsFdi25	
vtsFdi26	
vtsFdi27	
vtsFdi28	
vtsFdi29	
vtsFdi3	
vtsFdi30	
vtsFdi31	
vtsFdi32	
vtsFdi4	
vtsFdi5	
vtsFdi6	
vtsFdi7	
vtsFdi8	
vtsFdi9	
vtsOci	
vtsOci1	
vtsOci10	
vtsOci11	
vtsOci12	
vtsOci13	
vtsOci14	
vtsOci15	
vtsOci16	
vtsOci17	

(30 of 32)

Name	Value
vtsOci18	
vtsOci19	
vtsOci2	
vtsOci20	
vtsOci21	
vtsOci22	
vtsOci23	
vtsOci24	
vtsOci25	
vtsOci26	
vtsOci27	
vtsOci28	
vtsOci29	
vtsOci3	
vtsOci30	
vtsOci31	
vtsOci32	
vtsOci4	
vtsOci5	
vtsOci6	
vtsOci7	
vtsOci8	
vtsOci9	
warnTca	
wkSwBk	
wkSwPr	
wkSwPrVTS1	
wkSwPrVTS10	
wkSwPrVTS2	
wkSwPrVTS3	
wkSwPrVTS4	
wkSwPrVTS5	
wkSwPrVTS6	
wkSwPrVTS7	
wkSwPrVTS8	
wkSwPrVTS9	
wtocmaPoutRanOsnr	

(31 of 32)

Name	Value
wtr	

(32 of 32)

Table 162-4 Default Severity

Name	Value
Displayed name	Default Severity
OSS name	defaultSeverity
Type	optical.TrapCategory
Mandatory on creation	yes
Tab|Panel	General|General
Description	Default severity
Enumerated types	
Critical	
General Event	
Major	
Minor	
None	
Not Alarmed	
Not Reported	
Security	
State Change	
Unknown	
Warning	

Table 162-5 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	optical.AlarmCategoryDirection
Mandatory on creation	yes
Tab|Panel	General|General
Description	The direction to which the new category will be applied.
Enumerated types	
None	

(1 of 2)

Name	Value
RX	
TX	

(2 of 2)

Table 162-6 Override Severity

Name	Value
Displayed name	Override Severity
OSS name	severity
Type	optical.TrapCategory
Tab|Panel	General|General
Description	Override severity
Enumerated types	
Critical	
General Event	
Major	
Minor	
None	
Not Alarmed	
Not Reported	
Security	
State Change	
Unknown	
Warning	

163 —QoS Pool

Table 163-1 QoS Pool parameters

Parameters	
Application Type Name	Pool Reserved CBS

Table 163-2 Application Type

Name	Value
Displayed name	Application Type
OSS name	appType
Type	INT
Default	1
Mandatory on creation	yes
Tab|Panel	General|General

Table 163-3 Name

Name	Value
Displayed name	Name
OSS name	slopePolicy

(1 of 2)

Name	Value
Type	STRING
Minimum	1
Maximum	32
Default	default
Read-only	yes
Tab|Panel	General|Slope Policy

(2 of 2)

Table 163-4 Pool

Name	Value
Displayed name	Pool
OSS name	appPool
Type	STRING
Maximum	32
Mandatory on creation	yes
Tab|Panel	General|General

Table 163-5 Reserved CBS

Name	Value
Displayed name	Reserved CBS
OSS name	reservedCbs
Type	INT
Minimum	-1
Maximum	100
Default	-1
Units	%
Tab|Panel	General|Properties

164 —QueueSlope

Table 164-1 QueueSlope parameters

Parameters	
Administrative State	Max Probability
Administrative State	Max Probability
Administrative State	Max Probability
ID	Start Average
Max Average	Start Average
Max Average	Start Average
Max Average	Time Average Factor

Table 164-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	hiAdminStatus
Type	sasqos.AdministrativeState
Default	Disabled
Tab|Panel	General|High Slope
Enumerated types	
Disabled	
Enabled	

Table 164-3 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	loAdminStatus
Type	sasqos.AdministrativeState
Default	Disabled
Tab|Panel	General|Low Slope
Enumerated types	
Disabled	
Enabled	

Table 164-4 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	nonTcpAdminStatus
Type	sasqos.AdministrativeState
Default	Disabled
Tab|Panel	General|Non TCP Slope
Enumerated types	
Disabled	
Enabled	

Table 164-5 ID

Name	Value
Displayed name	ID
OSS name	queueID
Type	INT
Minimum	1
Maximum	8
Default	1
Mandatory on creation	yes
Tab|Panel	General|General

Table 164-6 Max Average

Name	Value
Displayed name	Max Average
OSS name	hiMaxAverage
Type	INT
Minimum	0
Maximum	100
Default	90
Tab|Panel	General|High Slope

Table 164-7 Max Average

Name	Value
Displayed name	Max Average
OSS name	loMaxAverage
Type	INT
Minimum	0
Maximum	100
Default	75
Tab|Panel	General|Low Slope

Table 164-8 Max Average

Name	Value
Displayed name	Max Average
OSS name	nonTcpMaxAverage
Type	INT
Minimum	0
Maximum	100
Default	75
Tab|Panel	General|Non TCP Slope

Table 164-9 Max Probability

Name	Value
Displayed name	Max Probability
OSS name	hiMaxProbability
Type	sasqos.MaxProbability
Default	75
Tab|Panel	General|High Slope
Enumerated types	
0	
1	
10	
100	
2	
25	
3	
4	
5	
50	
6	
7	
75	
8	
9	

Table 164-10 Max Probability

Name	Value
Displayed name	Max Probability
OSS name	loMaxProbability
Type	sasqos.MaxProbability
Default	75
Tab|Panel	General|Low Slope
Enumerated types	
0	
1	
10	
100	

(1 of 2)

Name	Value
2	
25	
3	
4	
5	
50	
6	
7	
75	
8	
9	

(2 of 2)

Table 164-11 Max Probability

Name	Value
Displayed name	Max Probability
OSS name	nonTcpMaxProbability
Type	sasqos.MaxProbability
Default	75
Tab|Panel	General|Non TCP Slope
Enumerated types	
0	
1	
10	
100	
2	
25	
3	
4	
5	
50	
6	
7	
75	
8	
9	

Table 164-12 Start Average

Name	Value
Displayed name	Start Average
OSS name	hiStartAverage
Type	INT
Minimum	0
Maximum	100
Default	70
Tab|Panel	General|High Slope

Table 164-13 Start Average

Name	Value
Displayed name	Start Average
OSS name	loStartAverage
Type	INT
Minimum	0
Maximum	100
Default	50
Tab|Panel	General|Low Slope

Table 164-14 Start Average

Name	Value
Displayed name	Start Average
OSS name	nonTcpStartAverage
Type	INT
Minimum	0
Maximum	100
Default	50
Tab|Panel	General|Non TCP Slope

Table 164-15 Time Average Factor

Name	Value
Displayed name	Time Average Factor
OSS name	timeAvgFactor
Type	INT
Minimum	0
Maximum	15
Default	7
Tab|Panel	General|General

165 —Remote Device Configuration

Table 165-1 Remote Device Configuration parameters

Parameters	
Auto Create Devices	OUI
Multicast MAC Address	RMD Interface

Table 165-2 Auto Create Devices

Name	Value
Displayed name	Auto Create Devices
OSS name	autoCreateDevices
Type	BOOL
Default	false
Tab|Panel	Discovery|General

Table 165-3 Multicast MAC Address

Name	Value
Displayed name	Multicast MAC Address
OSS name	multicastMacAddress
Type	MACADDR

(1 of 2)

Name	Value
Default	00-00-00-00-00-00
Tab|Panel	Discovery|General
Description	The Multicast MAC Address used to discover RMDs

(2 of 2)

Table 165-4 OUI

Name	Value
Displayed name	OUI
OSS name	rmdOUI
Type	STRING
Minimum	8
Maximum	8
Default	00-19-3A
Tab|Panel	Discovery|General
Description	The Organization Unique Identifier (OUI) of the RMDs that should respond to the discovery request. Format three hex bytes (xx-xx-xx). The first byte cannot be a odd number

Table 165-5 RMD Interface

Name	Value
Displayed name	RMD Interface
OSS name	rmdInterfacePointer
Type	POINTER
Tab|Panel	Discovery|General

166 —Remote Managed Device

Table 166-1 Remote Managed Device parameters

Parameters	
Description	MAC Address
Device ID	Multicast MAC Address
Device Status	OUI
Device Type	Packet Processor NVM Version
Firmware Version	Packet Processor Version
Forwarding Mode	Site ID
Interface ID	Site Name

Table 166-2 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 166-3 Device ID

Name	Value
Displayed name	Device ID
OSS name	deviceId
Type	LONG
Minimum	1
Maximum	32
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 166-4 Device Status

Name	Value
Displayed name	Device Status
OSS name	status
Type	rmd.DeviceStatus
Tab|Panel	General|General
Enumerated types	
Equipment Fault	
No Device found	
Normal	
Device Not Reachable	
Power Failure	
Wrong Device Present	

Table 166-5 Device Type

Name	Value
Displayed name	Device Type
OSS name	deviceType
Type	rmd.DeviceType
Default	EFM
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	

(1 of 2)

Name	Value
CEDD	
CFM	
EFM	
Unknown	

(2 of 2)

Table 166-6 Firmware Version

Name	Value
Displayed name	Firmware Version
OSS name	firmwareVersion
Type	STRING
Tab|Panel	Firmware|General

Table 166-7 Forwarding Mode

Name	Value
Displayed name	Forwarding Mode
OSS name	forwardingMode
Type	rmd.ForwardingMode
Default	Store and Forward
Tab|Panel	General|General
Enumerated types	
Cut-through	
Not Applicable	
Store and Forward	

Table 166-8 Interface ID

Name	Value
Displayed name	Interface ID
OSS name	interfaceId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General

Table 166-9 MAC Address

Name	Value
Displayed name	MAC Address
OSS name	macAddress
Type	MACADDR
Mandatory on creation	yes
Tab|Panel	General|General

Table 166-10 Multicast MAC Address

Name	Value
Displayed name	Multicast MAC Address
OSS name	multicastMacAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|General

Table 166-11 OUI

Name	Value
Displayed name	OUI
OSS name	deviceOui
Type	STRING
Default	00-19-3A
Tab|Panel	General|General

Table 166-12 Packet Processor NVM Version

Name	Value
Displayed name	Packet Processor NVM Version
OSS name	packetProcessorNVMVersion
Type	STRING
Tab|Panel	Firmware|General

Table 166-13 Packet Processor Version

Name	Value
Displayed name	Packet Processor Version
OSS name	packetProcessorVersion
Type	STRING
Tab|Panel	Firmware|General

Table 166-14 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site Info

Table 166-15 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site Info

167 —Remote MEP

Table 167-1 Remote MEP parameters

Parameters	
Auto Discovered RemoteMep MEP ID	MEP Mac Address

Table 167-2 Auto Discovered RemoteMep

Name	Value
Displayed name	Auto Discovered RemoteMep
OSS name	autoDiscoveredRemoteMep
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Specifies whether or not the remote peer was automatically discovered ('true') or not.

Table 167-3 MEP ID

Name	Value
Displayed name	MEP ID
OSS name	id

(1 of 2)

Name	Value
Type	LONG
Minimum	1
Maximum	8191
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for remote MEP.

(2 of 2)

Table 167-4 MEP Mac Address

Name	Value
Displayed name	MEP Mac Address
OSS name	macAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|General
Description	Specifies the MAC address used by the Remote MEP

168 —Remote MEP DB State

Table 168-1 Remote MEP DB State parameters

Parameters	
Duration	MEP ID
Grace Period RX	Port Status
Interface Status	Rdi
Last CCM	Received CCM Frames
Lost Frame Ratio - Local	RemoteState
Lost Frame Ratio - Peer	Rx Frames - Local
Lost Frames - Local	Rx Frames - Peer
Lost Frames - Peer	Tx Frames - Local
MAC Address	Tx Frames - Peer

Table 168-2 Duration

Name	Value
Displayed name	Duration
OSS name	duration
Type	LONG
Default	0
Units	seconds
Read-only	yes
Tab|Panel	General|dualEndedResults
Description	Specifies the test duration.

Table 168-3 Grace Period RX

Name	Value
Displayed name	Grace Period RX
OSS name	graceRx
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General
Description	The value of tmnxDot1agCfmMepDbGraceRx indicates whether the remote peer is transmitting a grace period notification or not.

Table 168-4 Interface Status

Name	Value
Displayed name	Interface Status
OSS name	intfStatus
Type	ethernetoam.Dot1agCfmInterfaceStatus
Default	None
Read-only	yes
Tab|Panel	General|General
Description	Specifies the if CC messaging is returned for remote MEP.
Enumerated types	
Dormant	
Down	
LowerLayerDown	
None	
NotPresent	
Testing	
Unknown	
Up	

Table 168-5 Last CCM

Name	Value
Displayed name	Last CCM
OSS name	lastCCM

(1 of 2)

Name	Value
Type	ethernetoam.TIME
Default	0
Read-only	yes
Tab|Panel	General|General
Description	Specifies the if CC messaging is returned for remote MEP.

(2 of 2)

Table 168-6 Lost Frame Ratio - Local

Name	Value
Displayed name	Lost Frame Ratio - Local
OSS name	frameLossRatioLocal
Type	FLOAT
Minimum	0
Maximum	100
Default	0
Units	%
Read-only	yes
Tab|Panel	General|dualEndedResults
Description	Specifies the percentage of frames lost during this test at the near-end.

Table 168-7 Lost Frame Ratio - Peer

Name	Value
Displayed name	Lost Frame Ratio - Peer
OSS name	frameLossRatioPeer
Type	FLOAT
Minimum	0
Maximum	100
Default	0
Units	%
Read-only	yes
Tab|Panel	General|dualEndedResults
Description	Specifies the percentage of frames lost during this test at the far-end.

Table 168-8 Lost Frames - Local

Name	Value
Displayed name	Lost Frames - Local
OSS name	frameLossLocal
Type	ethernetoam.UINT128
Default	0
Read-only	yes
Tab|Panel	General|dualEndedResults
Description	Specifies the number of frames lost during this test at the near-end.

Table 168-9 Lost Frames - Peer

Name	Value
Displayed name	Lost Frames - Peer
OSS name	frameLossPeer
Type	ethernetoam.UINT128
Default	0
Read-only	yes
Tab|Panel	General|dualEndedResults
Description	Specifies the number of frames lost during this test at the far-end.

Table 168-10 MAC Address

Name	Value
Displayed name	MAC Address
OSS name	macAddress
Type	MACADDR
Default	00-00-00-00-00-00
Read-only	yes
Tab|Panel	General|General
Description	Specifies the if CC messaging is returned for remote MEP.

Table 168-11 MEP ID

Name	Value
Displayed name	MEP ID
OSS name	remoteMepId
Type	LONG
Minimum	1
Maximum	8191
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for remote MEP.

Table 168-12 Port Status

Name	Value
Displayed name	Port Status
OSS name	portStatus
Type	ethernetoam.Dot1agCfmPortSatus
Default	None
Read-only	yes
Tab|Panel	General|General
Description	An enumerated value of the Port status TLV received in the last CCM from the remote MEP or the default value psNoPortStateTLV indicating either no CCM has been received, or that nor port status TLV was received in the last CCM.
Enumerated types	
Blocked	
None	
Up	

Table 168-13 Rdi

Name	Value
Displayed name	Rdi
OSS name	rdiFlag
Type	BOOL
Default	false
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|General
Description	State of the RDI bit in the last received CCM (true for RDI=1), or false if none has been received.

(2 of 2)

Table 168-14 Received CCM Frames

Name	Value
Displayed name	Received CCM Frames
OSS name	rxLmrCcmCount
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|dualEndedResults
Description	Specifies the number of CCM frames received for this Dual-Ended Loss test.

Table 168-15 RemoteState

Name	Value
Displayed name	RemoteState
OSS name	remoteMepDbState
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Specifies the if CC messaging is returned for remote MEP.

Table 168-16 Rx Frames - Local

Name	Value
Displayed name	Rx Frames - Local
OSS name	rxFramesLocal
Type	ethernetoam.UINT128
Default	0
Read-only	yes
Tab|Panel	General|dualEndedResults
Description	Specifies the number of frames received during this test by the near-end.

Table 168-17 Rx Frames - Peer

Name	Value
Displayed name	Rx Frames - Peer
OSS name	rxFramesPeer
Type	ethernetoam.UINT128
Default	0
Read-only	yes
Tab|Panel	General|dualEndedResults
Description	Specifies the number of frames received during this test by the far-end.

Table 168-18 Tx Frames - Local

Name	Value
Displayed name	Tx Frames - Local
OSS name	txFramesLocal
Type	ethernetoam.UINT128
Default	0
Read-only	yes
Tab|Panel	General|dualEndedResults
Description	Specifies the number of frames transmitted during this test by the near-end.

Table 168-19 Tx Frames - Peer

Name	Value
Displayed name	Tx Frames - Peer
OSS name	txFramesPeer
Type	ethernetoam.UINT128
Default	0
Read-only	yes
Tab|Panel	General|dualEndedResults
Description	Specifies the number of frames transmitted during this test by the far-end.

169 —Ring Power Adjustment

Table 169-1 Ring Power Adjustment parameters

Parameters	
Card Sub Type	Site ID
Description	Site Name
Direction	Status
Execute Command	Topology
Result	Type

Table 169-2 Card Sub Type

Name	Value
Displayed name	Card Sub Type
OSS name	assignedCardSubType
Type	equipment.CardSubType
Default	unspecified
Tab|Panel	General|General
Description	The assigned card subtype of the card on which this power adjustment is applicable.
Enumerated types	
Occupied by other Card	
112PDM11	
112SA1L	

(1 of 5)

Name	Value
112SCA1-100GEth	
112SCA1-OTU4	
112SCX10	
112SNA1-100GEth	
112SNA1-OTU4	
112SNX10	
112SX10L	
11DPE12A	
11DPE12E	
11DPE12	
11DPM12	
11OPE8	
11QCE12X	
11QPA4	
11QPE24	
11QPEN4	
11STAR1A	
11STAR1	
11STGE12	
11STMM10	
130SCX10	
1DPP24M-Master	
1DPP24M-Slave	
43SCA1-OTU3	
43SCA1-SONET/SDH	
43SCGE1	
43SCX4	
43SCX4E	
43STA1P	
43STX4	
43STX4P	
4DPA2	
4DPA4 FlexMux	
4DPA4 DualTran	
4QPA8	
A2325A	
A2P2125	

(2 of 5)

Name	Value
AHPHG	
AHPLG	
ALPFGK	
ALPFGT	
ALPHG	
AM2017B	
AM2125A	
AM2125B	
AM2318A	
AM2325B	
BTC	
10AN10G	
24ANM	
CWR8-88	
CWR8	
DCM	
HKPCNTL	
EC	
Fan Unit	
FLC	
10ET10G	
24ET1GB	
4AN10G	
8ET1GB	
ITLB	
ITLU	
MT0C	
MESH4	
MVAC8B	
MVAC	
OPSA	
OPSB	
OSC	
OSCT	
PF	
PTPCTL	
PTPIO	

(3 of 5)

Name	Value
RA2P	
SFC1A	
SFC1B	
SFC1C	
SFC1D	
SFC1E	
SFC1F	
SFC1G	
SFC1H	
SFC2A	
SFC2B	
SFC2C	
SFC2D	
SFC4A	
SFC4B	
SFC8	
SFD40B	
SFD40	
SFD44B	
SFD44	
SFD4A	
SFD4B	
SFD4C	
SFD4D	
SFD4E	
SFD4F	
SFD4G	
SFD4H	
SFD5A	
SFD5B	
SFD5C	
SFD5D	
SFD5E	
SFD5F	
SFD5G	
SFD5H	
SFD8A	

(4 of 5)

Name	Value
SFD8B	
SFD8C	
SFD8D	
SVAC	
11QCUPC	
130SCUP	
MXEC320H	
MTC1T9	
User Interface Panel	
WR2-88	
WR8-88A	
WR8-88AF	
WTOCMA	
WTOCM	

(5 of 5)

Table 169-3 Description

Name	Value
Displayed name	Description
OSS name	displayedName
Type	STRING
Tab|Panel	General|General
Description	The displayed name of this object.

Table 169-4 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	optical.PowerAdjDirection
Mandatory on creation	yes
Tab|Panel	General|Power Adjustment
Description	The direction of power adjustment - ingress, egress, add, drop, etc.
Enumerated types	
Add	

(1 of 2)

Name	Value
Drop	
Egress	
Ingress	

(2 of 2)

Table 169-5 Execute Command

Name	Value
Displayed name	Execute Command
OSS name	powerAdjustCommand
Type	optical.PowerAdjCommand
Default	No Command
Tab|Panel	General|Power Adjustment
Description	The power adjustment operation exposed to the user - start, stop, abort, etc.
Enumerated types	
Abort	
No Command	
Start	
Stop	

Table 169-6 Result

Name	Value
Displayed name	Result
OSS name	powerAdjustResult
Type	STRING
Tab|Panel	General|Power Adjustment
Description	The result of the last executed power adjustment operation.

Table 169-7 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	The site identifier.

(2 of 2)

Table 169-8 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Tab|Panel	General|General
Description	The site name.

Table 169-9 Status

Name	Value
Displayed name	Status
OSS name	powerAdjustStatus
Type	optical.PowerAdjStatus
Tab|Panel	General|Power Adjustment
Description	Indicates the status of the executed power adjustment operation.
Enumerated types	
Completed	
In Progress	
Not In Progress	

Table 169-10 Topology

Name	Value
Displayed name	Topology
OSS name	topology
Type	optical.TopologyType
Default	Not Applicable
Mandatory on creation	yes
Tab|Panel	General|Power Adjustment
Description	The type of topology - linear, ring, etc.
Enumerated types	

(1 of 2)

Name	Value
Linear (Forced X-Conn Req'd)	
Not Applicable	
Ring (ASE Adjust)	

(2 of 2)

Table 169-11 Type

Name	Value
Displayed name	Type
OSS name	powerAdjustType
Type	optical.PowerAdjType
Mandatory on creation	yes
Tab|Panel	General|Power Adjustment
Description	The type of power adjustment - linear, ring, dynamicTilt, etc.
Enumerated types	
Dynamic Tilt	
Linear	
Ring	

170 —RMD Access Interface

Table 170-1 RMD Access Interface parameters

Parameters	
Auto Initiate Discovery	Port Name
Interface ID	Site ID
Port	Site Name

Table 170-2 Auto Initiate Discovery

Name	Value
Displayed name	Auto Initiate Discovery
OSS name	autoInitiateDiscovery
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	General|General

Table 170-3 Interface ID

Name	Value
Displayed name	Interface ID
OSS name	interfaceId

(1 of 2)

Name	Value
Type	LONG
Minimum	1
Maximum	26
Default	autoId
Mandatory on creation	yes
Tab|Panel	General|General

(2 of 2)

Table 170-4 Port

Name	Value
Displayed name	Port
OSS name	interfaceBindingPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General

Table 170-5 Port Name

Name	Value
Displayed name	Port Name
OSS name	bindingObjectName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 170-6 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|Site Info

(2 of 2)

Table 170-7 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site Info

171 —RMD Port

Table 171-1 RMD Port parameters

Parameters	
Actual Duplex	Port ID
Actual Speed	Port Type
Duplex	RMD Device ID
Enabled	Site ID
Fallback Enabled	Site Name
MDI/MDX	Speed
Operational Status	Status
Pause Mode	Traffic Enabled

Table 171-2 Actual Duplex

Name	Value
Displayed name	Actual Duplex
OSS name	actualDuplex
Type	rmd.DuplexMode
Default	Half-Duplex
Tab|Panel	General|General
Enumerated types	
Auto	
Full-Duplex	
Half-Duplex	

(1 of 2)

Name	Value
Not Applicable	
Not Available	

(2 of 2)

Table 171-3 Actual Speed

Name	Value
Displayed name	Actual Speed
OSS name	actualSpeed
Type	equipment.Speed
Default	10
Units	Mbps
Tab|Panel	General|General
Enumerated types	
Auto Speed	
10	
100	
1000	
10000	
100000	
25000	
40000	
Line Rate	
Not Applicable	
Not Available	
OC12	
OC192	
OC3	
OC48	
OC768	
56 kbit/s	
64 kbit/s	
Max100	
Max1000	

Table 171-4 Duplex

Name	Value
Displayed name	Duplex
OSS name	duplex
Type	rmd.DuplexMode
Default	Full-Duplex
Tab|Panel	General|General
Enumerated types	
Auto	
Full-Duplex	
Half-Duplex	
Not Applicable	
Not Available	

Table 171-5 Enabled

Name	Value
Displayed name	Enabled
OSS name	autoNegEnabled
Type	generic.TruthValue
Tab|Panel	General|Auto-Negotiation

Table 171-6 Fallback Enabled

Name	Value
Displayed name	Fallback Enabled
OSS name	autoNegFallBackEnabled
Type	generic.TruthValue
Tab|Panel	General|Auto-Negotiation

Table 171-7 MDI/MDX

Name	Value
Displayed name	MDI/MDX
OSS name	mdiMdixMode

(1 of 2)

Name	Value
Type	rmd.MdiMdixTpe
Default	MDI
Tab|Panel	General|General
Enumerated types	
MDI	
MDIX	
Not Applicable	
Not Available	

(2 of 2)

Table 171-8 Operational Status

Name	Value
Displayed name	Operational Status
OSS name	operationalState
Type	equipment.OperationalState
Default	Unknown
Tab|Panel	General|General
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	
Provisioned	
Reserved	
Reset Pending	
Shutting Down	

(1 of 2)

Name	Value
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

(2 of 2)

Table 171-9 Pause Mode

Name	Value
Displayed name	Pause Mode
OSS name	actualPauseMode
Type	rmd.PauseMode
Default	Half-Duplex
Tab|Panel	General|General
Enumerated types	
Auto	
Half-Duplex	
Full-Duplex	
Not Applicable	
Not Available	
Tx Disabled, Rx Enabled	
Tx Enabled, Rx Disabled	

Table 171-10 Port ID

Name	Value
Displayed name	Port ID
OSS name	portId
Type	LONG
Default	1
Mandatory on creation	yes
Tab|Panel	General|General

Table 171-11 Port Type

Name	Value
Displayed name	Port Type
OSS name	portType
Type	rmd.PortType
Default	Network
Tab|Panel	General|General
Enumerated types	
Customer	
Network	

Table 171-12 RMD Device ID

Name	Value
Displayed name	RMD Device ID
OSS name	deviceId
Type	LONG
Read-only	yes
Tab|Panel	General|General

Table 171-13 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site Info

Table 171-14 Site Name

Name	Value
Displayed name	Site Name

(1 of 2)

Name	Value
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site Info

(2 of 2)

Table 171-15 Speed

Name	Value
Displayed name	Speed
OSS name	speed
Type	equipment.Speed
Default	1000
Units	Mbps
Tab|Panel	General|General
Enumerated types	
Auto Speed	
10	
100	
1000	
10000	
100000	
25000	
40000	
Line Rate	
Not Applicable	
Not Available	
OC12	
OC192	
OC3	
OC48	
OC768	
56 kbit/s	
64 kbit/s	
Max100	
Max1000	

Table 171-16 Status

Name	Value
Displayed name	Status
OSS name	autoNegStatus
Type	rmd.AutoNegStatus
Tab|Panel	General|Auto-Negotiation
Enumerated types	
Complete	
Configuring	
Disabled	
Error	
Not Applicable	
Not Available	
Parallel Defect Fail	

Table 171-17 Traffic Enabled

Name	Value
Displayed name	Traffic Enabled
OSS name	trafficEnabled
Type	generic.TruthValue
Tab|Panel	General|General

172 —RMD Port Digital Diagnostic Monitoring Info

Table 172-1 RMD Port Digital Diagnostic Monitoring Info parameters

Parameters	
Current value	High Warning
Current value	High Warning
Current value	Low Alarm
Current value	Low Alarm
Current value	Low Alarm
High Alarm	Low Alarm
High Alarm	Low Alarm
High Alarm	Low Warning
High Alarm	Low Warning
High Alarm	Low Warning
High Warning	Low Warning
High Warning	Low Warning
High Warning	

Table 172-2 Current value

Name	Value
Displayed name	Current value
OSS name	ddmRxOpticalPowerCurrent
Type	INT

(1 of 2)

Name	Value
Default	0
Tab|Panel	General|Receive Optical Power (dBm)

(2 of 2)

Table 172-3 Current value

Name	Value
Displayed name	Current value
OSS name	ddmSupplyVoltageCurrent
Type	INT
Default	0
Tab|Panel	General|Supply Voltage (V)

Table 172-4 Current value

Name	Value
Displayed name	Current value
OSS name	ddmTempCurrent
Type	INT
Default	0
Tab|Panel	General|Temperature (celsius)

Table 172-5 Current value

Name	Value
Displayed name	Current value
OSS name	ddmTxBiasCurrentCurrent
Type	INT
Default	0
Tab|Panel	General|Transmit Bias Current (mA)

Table 172-6 Current value

Name	Value
Displayed name	Current value

(1 of 2)

Name	Value
OSS name	ddmTxOutputPowerCurrent
Type	INT
Default	0
Tab|Panel	General|Transmit Output Power (dBm)

(2 of 2)

Table 172-7 High Alarm

Name	Value
Displayed name	High Alarm
OSS name	ddmTxOutputPowerHiAlarm
Type	INT
Default	0
Tab|Panel	General|Transmit Output Power (dBm)

Table 172-8 High Alarm

Name	Value
Displayed name	High Alarm
OSS name	ddmRxOpticalPowerHiAlarm
Type	INT
Default	0
Tab|Panel	General|Receive Optical Power (dBm)

Table 172-9 High Alarm

Name	Value
Displayed name	High Alarm
OSS name	ddmSupplyVoltageHiAlarm
Type	INT
Default	0
Tab|Panel	General|Supply Voltage (V)

Table 172-10 High Alarm

Name	Value
Displayed name	High Alarm
OSS name	ddmTempHiAlarm
Type	INT
Default	0
Tab|Panel	General|Temperature (celsius)

Table 172-11 High Alarm

Name	Value
Displayed name	High Alarm
OSS name	ddmTxBiasCurrentHiAlarm
Type	INT
Default	0
Tab|Panel	General|Transmit Bias Current (mA)

Table 172-12 High Warning

Name	Value
Displayed name	High Warning
OSS name	ddmTxOutputPowerHiWarning
Type	INT
Default	0
Tab|Panel	General|Transmit Output Power (dBm)

Table 172-13 High Warning

Name	Value
Displayed name	High Warning
OSS name	ddmRxOpticalPowerHiWarning
Type	INT
Default	0
Tab|Panel	General|Receive Optical Power (dBm)

Table 172-14 High Warning

Name	Value
Displayed name	High Warning
OSS name	ddmSupplyVoltageHiWarning
Type	INT
Default	0
Tab|Panel	General|Supply Voltage (V)

Table 172-15 High Warning

Name	Value
Displayed name	High Warning
OSS name	ddmTempHiWarning
Type	INT
Default	0
Tab|Panel	General|Temperature (celsius)

Table 172-16 High Warning

Name	Value
Displayed name	High Warning
OSS name	ddmTxBiasCurrentHiWarning
Type	INT
Default	0
Tab|Panel	General|Transmit Bias Current (mA)

Table 172-17 Low Alarm

Name	Value
Displayed name	Low Alarm
OSS name	ddmTxOutputPowerLowAlarm
Type	INT
Default	0
Tab|Panel	General|Transmit Output Power (dBm)

Table 172-18 Low Alarm

Name	Value
Displayed name	Low Alarm
OSS name	ddmRxOpticalPowerLowAlarm
Type	INT
Default	0
Tab|Panel	General|Receive Optical Power (dBm)

Table 172-19 Low Alarm

Name	Value
Displayed name	Low Alarm
OSS name	ddmSupplyVoltageLowAlarm
Type	INT
Default	0
Tab|Panel	General|Supply Voltage (V)

Table 172-20 Low Alarm

Name	Value
Displayed name	Low Alarm
OSS name	ddmTempLowAlarm
Type	INT
Default	0
Tab|Panel	General|Temperature (celsius)

Table 172-21 Low Alarm

Name	Value
Displayed name	Low Alarm
OSS name	ddmTxBiasCurrentLowAlarm
Type	INT
Default	0
Tab|Panel	General|Transmit Bias Current (mA)

Table 172-22 Low Warning

Name	Value
Displayed name	Low Warning
OSS name	ddmTxOutputPowerLowWarning
Type	INT
Default	0
Tab|Panel	General|Transmit Output Power (dBm)

Table 172-23 Low Warning

Name	Value
Displayed name	Low Warning
OSS name	ddmRxOpticalPowerLowWarning
Type	INT
Default	0
Tab|Panel	General|Receive Optical Power (dBm)

Table 172-24 Low Warning

Name	Value
Displayed name	Low Warning
OSS name	ddmSupplyVoltageLowWarning
Type	INT
Default	0
Tab|Panel	General|Supply Voltage (V)

Table 172-25 Low Warning

Name	Value
Displayed name	Low Warning
OSS name	ddmTempLowWarning
Type	INT
Default	0
Tab|Panel	General|Temperature (celsius)

Table 172-26 Low Warning

Name	Value
Displayed name	Low Warning
OSS name	ddmTxBiasCurrentLowWarning
Type	INT
Default	0
Tab|Panel	General|Transmit Bias Current (mA)

173 —RMD Port Inventory

Table 173-1 RMD Port Inventory parameters

Parameters	
Acronym Code	Maximum Case Temperature
CLEI Code	Module Type
Date	Module Vendor
Extra Data	Module Vendor Serial Number
Factory Identifier	Software Part Number
Frequency	Unit Part Number
Interchangeability Marking	

Table 173-2 Acronym Code

Name	Value
Displayed name	Acronym Code
OSS name	acronymCode
Type	STRING
Minimum	0
Maximum	12
Tab|Panel	General|General

Table 173-3 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING
Minimum	0
Maximum	10
Tab|Panel	General|General

Table 173-4 Date

Name	Value
Displayed name	Date
OSS name	date
Type	STRING
Minimum	0
Maximum	8
Tab|Panel	General|General

Table 173-5 Extra Data

Name	Value
Displayed name	Extra Data
OSS name	extraData
Type	STRING
Minimum	0
Maximum	46
Tab|Panel	General|General

Table 173-6 Factory Identifier

Name	Value
Displayed name	Factory Identifier
OSS name	factoryId
Type	STRING

(1 of 2)

Name	Value
Minimum	0
Maximum	4
Tab|Panel	General|General

(2 of 2)

Table 173-7 Frequency

Name	Value
Displayed name	Frequency
OSS name	wavelength
Type	INT
Default	0
Tab|Panel	General|General

Table 173-8 Interchangeability Marking

Name	Value
Displayed name	Interchangeability Marking
OSS name	interchangeabilityMarking
Type	STRING
Minimum	0
Maximum	6
Tab|Panel	General|General

Table 173-9 Maximum Case Temperature

Name	Value
Displayed name	Maximum Case Temperature
OSS name	maxCaseTemperature
Type	INT
Minimum	0
Maximum	4
Default	0
Tab|Panel	General|General

Table 173-10 Module Type

Name	Value
Displayed name	Module Type
OSS name	moduleType
Type	STRING
Minimum	0
Maximum	16
Tab|Panel	General|General

Table 173-11 Module Vendor

Name	Value
Displayed name	Module Vendor
OSS name	moduleVendor
Type	STRING
Minimum	0
Maximum	16
Tab|Panel	General|General

Table 173-12 Module Vendor Serial Number

Name	Value
Displayed name	Module Vendor Serial Number
OSS name	moduleVendorSerialNumber
Type	STRING
Minimum	0
Maximum	18
Tab|Panel	General|General

Table 173-13 Software Part Number

Name	Value
Displayed name	Software Part Number
OSS name	softwarePartNumber
Type	STRING

(1 of 2)

Name	Value
Minimum	0
Maximum	16
Tab|Panel	General|General

(2 of 2)

Table 173-14 Unit Part Number

Name	Value
Displayed name	Unit Part Number
OSS name	unitPartNumber
Type	STRING
Minimum	0
Maximum	14
Tab|Panel	General|General

174 —RMD Software Image

Table 174-1 RMD Software Image parameters

Parameters	
Software Image Date	Software Image Size
Software Image ID	Software Image State
Software Image Item Code	Software Image Version

Table 174-2 Software Image Date

Name	Value
Displayed name	Software Image Date
OSS name	imageDate
Type	STRING
Minimum	8
Maximum	19
Default	0
Tab|Panel	General|General

Table 174-3 Software Image ID

Name	Value
Displayed name	Software Image ID

(1 of 2)

Name	Value
OSS name	imageId
Type	LONG
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

(2 of 2)

Table 174-4 Software Image Item Code

Name	Value
Displayed name	Software Image Item Code
OSS name	imageItemCode
Type	STRING
Maximum	7
Tab|Panel	General|General

Table 174-5 Software Image Size

Name	Value
Displayed name	Software Image Size
OSS name	imageSize
Type	LONG
Default	0
Tab|Panel	General|General

Table 174-6 Software Image State

Name	Value
Displayed name	Software Image State
OSS name	imageState
Type	rmd.SwImageState
Default	1
Tab|Panel	General|General
Enumerated types	
Active	
Empty	

(1 of 2)

Name	Value
Error	
Inactive	
Soak	

(2 of 2)

Table 174-7 Software Image Version

Name	Value
Displayed name	Software Image Version
OSS name	imageVersion
Type	STRING
Tab|Panel	General|General

175 —Routing Instance

Table 175-1 Routing Instance parameters

Parameters	
Administrative State	Operational State
BGP Enabled	OSPFv2 Enabled
Enable WLAN GW	OSPFv3 Enabled
IGMP Enabled	PIM Enabled
ISA-BB Group	RIP Enabled
IS-IS Enabled	Routing Instance ID
L2TP Enabled	Routing Instance Name
LDP Enabled	RSVP Enabled
MLD Enabled	Site ID
MPLS Enabled	Site Name
MPLS-TP Enabled	Test Suite Count
MSDP Enabled	VRF Name
Name	WPP Enabled

Table 175-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	rtr.AdministrativeState
Default	unknown
Tab|Panel	General|General

(1 of 2)

Name	Value
Enumerated types	
Down	
Up	

(2 of 2)

Table 175-3 BGP Enabled

Name	Value
Displayed name	BGP Enabled
OSS name	bgpEnabled
Type	BOOL
Default	false
Tab|Panel	Protocols|General

Table 175-4 Enable WLAN GW

Name	Value
Displayed name	Enable WLAN GW
OSS name	wlangwEnabled
Type	BOOL
Default	false
Tab|Panel	General|General

Table 175-5 IGMP Enabled

Name	Value
Displayed name	IGMP Enabled
OSS name	igmpEnabled
Type	BOOL
Default	false
Tab|Panel	Multicast|General

Table 175-6 ISA-BB Group

Name	Value
Displayed name	ISA-BB Group
OSS name	rsmGroup
Type	POINTER
Tab|Panel	General|General
Description	The value of rsmGroup specifies the ISA-BB group associated with this virtual router instance for the purpose of IP datagram fragment reassembly. The value zero specifies that no such ISA-BB group is associated.

Table 175-7 IS-IS Enabled

Name	Value
Displayed name	IS-IS Enabled
OSS name	isisEnabled
Type	BOOL
Default	false
Tab|Panel	Protocols|General

Table 175-8 L2TP Enabled

Name	Value
Displayed name	L2TP Enabled
OSS name	l2tpEnabled
Type	BOOL
Default	false
Tab|Panel	Protocols|General

Table 175-9 LDP Enabled

Name	Value
Displayed name	LDP Enabled
OSS name	ldpEnabled
Type	BOOL
Default	false
Tab|Panel	Protocols|General

Table 175-10 MLD Enabled

Name	Value
Displayed name	MLD Enabled
OSS name	mldEnabled
Type	BOOL
Default	false
Tab|Panel	Multicast|General

Table 175-11 MPLS Enabled

Name	Value
Displayed name	MPLS Enabled
OSS name	mplsEnabled
Type	BOOL
Default	false
Tab|Panel	Protocols|General

Table 175-12 MPLS-TP Enabled

Name	Value
Displayed name	MPLS-TP Enabled
OSS name	mplstpEnabled
Type	BOOL
Default	false
Tab|Panel	Protocols|General

Table 175-13 MSDP Enabled

Name	Value
Displayed name	MSDP Enabled
OSS name	msdpEnabled
Type	BOOL
Default	false
Tab|Panel	Multicast|General

Table 175-14 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Routing Instance

Table 175-15 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	rtr.OperationalState
Default	unknown
Read-only	yes
Tab|Panel	General|General

Table 175-16 OSPFv2 Enabled

Name	Value
Displayed name	OSPFv2 Enabled
OSS name	ospfEnabled
Type	BOOL
Default	false
Tab|Panel	Protocols|General

Table 175-17 OSPFv3 Enabled

Name	Value
Displayed name	OSPFv3 Enabled
OSS name	ospfv3Enabled
Type	BOOL
Default	false

(1 of 2)

Name	Value
Tab|Panel	Protocols|General

(2 of 2)

Table 175-18 PIM Enabled

Name	Value
Displayed name	PIM Enabled
OSS name	pimEnabled
Type	BOOL
Default	false
Tab|Panel	Multicast|General

Table 175-19 RIP Enabled

Name	Value
Displayed name	RIP Enabled
OSS name	ripEnabled
Type	BOOL
Default	false
Tab|Panel	Protocols|General

Table 175-20 Routing Instance ID

Name	Value
Displayed name	Routing Instance ID
OSS name	routerId
Type	INT
Minimum	1
Maximum	10240
Default	1
Read-only	yes
Tab|Panel	General|Routing Instance

Table 175-21 Routing Instance Name

Name	Value
Displayed name	Routing Instance Name
OSS name	routerName
Type	STRING
Minimum	0
Maximum	32
Read-only	yes
Tab|Panel	General|Routing Instance

Table 175-22 RSVP Enabled

Name	Value
Displayed name	RSVP Enabled
OSS name	rsvpEnabled
Type	BOOL
Default	false
Tab|Panel	Protocols|General

Table 175-23 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 175-24 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName

(1 of 2)

Name	Value
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

(2 of 2)

Table 175-25 Test Suite Count

Name	Value
Displayed name	Test Suite Count
OSS name	sasTestSuiteCount
Type	INT
Minimum	0
Default	0
Read-only	yes
Tab|Panel	General|General

Table 175-26 VRF Name

Name	Value
Displayed name	VRF Name
OSS name	vRFName
Type	STRING
Minimum	1
Maximum	20
Mandatory on creation	yes
Tab|Panel	General|General

Table 175-27 WPP Enabled

Name	Value
Displayed name	WPP Enabled
OSS name	wppEnabled
Type	BOOL
Default	false
Tab|Panel	Protocols|General

176 —Sas Port

Table 176-1 Sas Port parameters

Parameters	
Access Egress Policy	Network Queue Policy
Network Policy	Port Scheduler Policy

Table 176-2 Access Egress Policy

Name	Value
Displayed name	Access Egress Policy
OSS name	accessEgressPolicy
Type	POINTER
Tab|Panel	General|Access Egress
Description	Specifies the Access Egress used by this port. Only applicable to 7210 SAS-E/M Ports.

Table 176-3 Network Policy

Name	Value
Displayed name	Network Policy
OSS name	networkPolicy
Type	POINTER

(1 of 2)

Name	Value
Tab|Panel	General|Network
Description	Specifies the Network policy used by this port/interface. Only applicable to 7210 SAS-E Ports and 7210 SAS-M interfaces.

(2 of 2)

Table 176-4 Network Queue Policy

Name	Value
Displayed name	Network Queue Policy
OSS name	networkQueueObjectPointer
Type	POINTER
Tab|Panel	General|Network Queue

Table 176-5 Port Scheduler Policy

Name	Value
Displayed name	Port Scheduler Policy
OSS name	portSchedulerPolicy
Type	POINTER
Tab|Panel	General|Port Scheduler
Description	Specifies the port scheduler policy used by this port. Only applicable to 7210 SAS-E/M Ports.

177 —Service

Table 177-1 Service parameters

Parameters	
Auto MEG Site Creation	MIP(s) Creation on SDP Bindings
Direction	Multi-Service MEG
Direction	Object ID
Direction	Primary VLAN Enable
Follow Service Topology Changes	Primary VLAN Enable
Level	Service
MEG Global ID	Service ID
MEP(s) Creation on Access Interfaces	Service Name
MEP(s) Creation on SDP Bindings	Virtual MEP(s) Creation on VPLS Sites
MIP(s) Creation on Access Interfaces	VLAN ID

Table 177-2 Auto MEG Site Creation

Name	Value
Displayed name	Auto MEG Site Creation
OSS name	autoMegSite
Type	BOOL
Default	true
Mandatory on creation	yes
Tab|Panel	General|Auto-Creation of MEG(s)
Description	Specifies if MEG Sites will be generated or not if this is unchecked then no MEG sites or MEP/MIPs will be auto generated for this service.

Table 177-3 Direction

Name	Value
Displayed name	Direction
OSS name	mepDirectionAccessInterface
Type	ethernetoam.Direction
Default	Up
Mandatory on creation	yes
Tab|Panel	General|Auto-Creation of MEP(s)
Description	Specifies the direction the auto-created MEPs will have on all access interfaces in the service.
Enumerated types	
Down	
Up	

Table 177-4 Direction

Name	Value
Displayed name	Direction
OSS name	mepDirectionSdpBindings
Type	ethernetoam.Direction
Default	Down
Mandatory on creation	yes
Tab|Panel	General|Auto-Creation of MEP(s)
Description	Specifies the direction the auto-created MEPs will have on all sdp bindings in the service.
Enumerated types	
Down	
Up	

Table 177-5 Direction

Name	Value
Displayed name	Direction
OSS name	virtualMepDirection
Type	ethernetoam.Direction
Default	Up
Tab|Panel	General|Auto-Creation of MEP(s)

(1 of 2)

Name	Value
Description	Specifies the direction of the auto-created Virtual MEPs, it must be UP.
Enumerated types	
Down	
Up	

(2 of 2)

Table 177-6 Follow Service Topology Changes

Name	Value
Displayed name	Follow Service Topology Changes
OSS name	keepupdatedServiceTopology
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Specifies if OAM Objects to be regenerated upon service Topology Change.

Table 177-7 Level

Name	Value
Displayed name	Level
OSS name	maintDomainLevel
Type	INT
Minimum	0
Maximum	7
Default	0
Read-only	yes
Tab|Panel	General|General
Description	Specifies the MD level 0 to 7.

Table 177-8 MEG Global ID

Name	Value
Displayed name	MEG Global ID
OSS name	globalId
Type	STRING
Minimum	0

(1 of 2)

Name	Value
Maximum	252
Read-only	yes
Tab|Panel	General|General
Description	The display global name of the MEG.

(2 of 2)

Table 177-9 MEP(s) Creation on Access Interfaces

Name	Value
Displayed name	MEP(s) Creation on Access Interfaces
OSS name	autoMepCreationAccessInterface
Type	BOOL
Default	true
Mandatory on creation	yes
Tab|Panel	General|Auto-Creation of MEP(s)
Description	Specifies the MEPs will be configured on all access interfaces in the service.

Table 177-10 MEP(s) Creation on SDP Bindings

Name	Value
Displayed name	MEP(s) Creation on SDP Bindings
OSS name	autoMepCreationSdpBindings
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	General|Auto-Creation of MEP(s)
Description	Specifies the MEPs will be configured on all sdp bindings in the service.

Table 177-11 MIP(s) Creation on Access Interfaces

Name	Value
Displayed name	MIP(s) Creation on Access Interfaces
OSS name	autoMipCreationAccessInterface
Type	BOOL
Default	false
Mandatory on creation	yes

(1 of 2)

Name	Value
Tab|Panel	General|Auto-Creation of MIP(s)
Description	Specifies the MIPs will be configured on all access interfaces in the service.

(2 of 2)

Table 177-12 MIP(s) Creation on SDP Bindings

Name	Value
Displayed name	MIP(s) Creation on SDP Bindings
OSS name	autoMipCreationSdpBindings
Type	BOOL
Default	true
Mandatory on creation	yes
Tab|Panel	General|Auto-Creation of MIP(s)
Description	Specifies the MIPs will be configured on all sdp bindings in the service.

Table 177-13 Multi-Service MEG

Name	Value
Displayed name	Multi-Service MEG
OSS name	multiServiceMeg
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	General|Auto-Creation of MEG(s)
Description	Specifies if MEG Generation should skip MEP generation on overlapping site and Service Connection SAPs.

Table 177-14 Object ID

Name	Value
Displayed name	Object ID
OSS name	id
Type	LONG
Minimum	1
Maximum	2147483647
Default	0

(1 of 2)

Name	Value
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the CcTestService.

(2 of 2)

Table 177-15 Primary VLAN Enable

Name	Value
Displayed name	Primary VLAN Enable
OSS name	mepPrimaryVlanEnable
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	General|Auto-Creation of MEP(s)
Description	Primary VLAN Enabled on generated MEPs.

Table 177-16 Primary VLAN Enable

Name	Value
Displayed name	Primary VLAN Enable
OSS name	mipSapPrimaryVlanEnable
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	General|Auto-Creation of MIP(s)
Description	Primary VLAN MIP Configuration on SAP

Table 177-17 Service

Name	Value
Displayed name	Service
OSS name	servicePointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General
Description	The service selected for this CC Test.

Table 177-18 Service ID

Name	Value
Displayed name	Service ID
OSS name	serviceId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General
Description	The service Id associated with the CCTest

Table 177-19 Service Name

Name	Value
Displayed name	Service Name
OSS name	serviceName
Type	STRING
Maximum	100
Read-only	yes
Tab|Panel	General|General
Description	The service Name.

Table 177-20 Virtual MEP(s) Creation on VPLS Sites

Name	Value
Displayed name	Virtual MEP(s) Creation on VPLS Sites
OSS name	autoVirtualMepCreation
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	General|Auto-Creation of MEP(s)
Description	Specifies that only virtual MEPs will be configured on all B-Sites in the service, but no regular MEPs will be configured on SAPs/SDP bindings of those B-Sites.

Table 177-21 VLAN ID

Name	Value
Displayed name	VLAN ID
OSS name	vlanId
Type	INT
Minimum	0
Maximum	4094
Default	0
Mandatory on creation	yes
Tab|Panel	General|Auto-Creation of MEG(s)
Description	VLAN ID to be set on generated MEG Site bindings.

178 —Shelf

Table 178-1 Shelf parameters

Parameters	
Administrative Mode	Installed Power Supplies
Administrative State	Is Managed
AINS Enabled	LED Status
Background Diagnostics Fault Reason	Low Temperature State
Background Diagnostics State	Low Voltage Threshold
Base MAC Address	Manufacture Date
CLEI	Manufacturer
CLEI Code	Manufacturing Assembly No
CLEI Code	Manufacturing Deviations
CLLI Code	Manufacturing Variant
Company ID	Mixed Mode State on Chassis Enabled
Date	Mnemonic
Expected PF Amps	Mode
Expected Volts	Name
Extra Data	Name
Factory ID	Operational Mode
Firmware Version	Operational State
Force Mode	Over Temperature State
Hardware Class	Part Number
High Voltage Threshold	Perform LED Test
HW Revision	PF A Expected
Inhibit Autoswitching	PF B Expected
Installed Fans	PoE External Power Supply Status
Installed Fan Trays	PoE Power Supply Source
Installed Ports	PoE Power Supply Status

(1 of 2)

Parameters	
Present Shelf Type	Site Name
Protection Switch	Software Part Number
PSE Maximum Power Budget	Software Version
PSE Power Available	Standby EC Ready to Protect
PSE Power Consumed	Standby Status
Serial Number	State
Serial Number	Switch Model
Serial Number	Total Slots
Shelf Description	Unit Part Number
Shelf ID	Unknown Status
Shelf Type	Voltage Threshold Tolerance
Site ID	Wavelength Tracker Enabled

(2 of 2)

Table 178-2 Administrative Mode

Name	Value
Displayed name	Administrative Mode
OSS name	adminMode
Type	equipment.ChassisMode
Default	N/A
Tab|Panel	General|Chassis Mode
Enumerated types	
A	
B	
C	
D	
N/A	

Table 178-3 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	equipment.AdministrativeState
Default	Unknown
Tab|Panel	General|Equipment
Enumerated types	
Diagnose	

(1 of 2)

Name	Value
Up	
Locked	
Maintenance	
Unknown	
Not Relevant	
Operate Switch	
Down	
Shutting Down	
Unlocked	

(2 of 2)

Table 178-4 AINS Enabled

Name	Value
Displayed name	AINS Enabled
OSS name	shelfAINS
Type	BOOL
Default	false
Tab|Panel	General|Shelf Details

Table 178-5 Background Diagnostics Fault Reason

Name	Value
Displayed name	Background Diagnostics Fault Reason
OSS name	backgroundDiagnosticsFaultReason
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 178-6 Background Diagnostics State

Name	Value
Displayed name	Background Diagnostics State
OSS name	backgroundDiagnosticsState
Type	equipment.BackgroundDiagnosticsStateType
Default	Unknown

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
Critical Fault Detected	
Fault Detected	
N/A	
Ok	
Unknown	

(2 of 2)

Table 178-7 Base MAC Address

Name	Value
Displayed name	Base MAC Address
OSS name	baseMacAddress
Type	MACADDR
Default	00-00-00-00-00-00
Read-only	yes
Tab|Panel	General|Shelf Details

Table 178-8 CLEI

Name	Value
Displayed name	CLEI
OSS name	shelfClei
Type	STRING
Tab|Panel	General|Inventory
Description	Shelf CLEI.

Table 178-9 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING
Minimum	0

(1 of 2)

Name	Value
Maximum	16
Read-only	yes
Tab|Panel	General|Equipment Codes

(2 of 2)

Table 178-10 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING
Minimum	0
Maximum	16
Read-only	yes
Tab|Panel	General|Equipment Location Codes

Table 178-11 CLLI Code

Name	Value
Displayed name	CLLI Code
OSS name	clliCode
Type	STRING
Minimum	0
Maximum	11
Tab|Panel	General|Equipment Codes

Table 178-12 Company ID

Name	Value
Displayed name	Company ID
OSS name	shelfCompanyId
Type	STRING
Tab|Panel	General|Inventory
Description	Shelf Company Id.

Table 178-13 Date

Name	Value
Displayed name	Date
OSS name	shelfDate
Type	STRING
Tab|Panel	General|Inventory
Description	Shelf Date.

Table 178-14 Expected PF Amps

Name	Value
Displayed name	Expected PF Amps
OSS name	expectedAmps
Type	equipment.ExpectedAmpsType
Default	Auto
Tab|Panel	General|Shelf Details
Enumerated types	
100	
150	
20	
20.6	
275	
2x50	
2x60	
30	
320	
35	
3.7	
3x50	
3x60	
4.1	
5	
50	
60	
7	
70	
8.5	

(1 of 2)

Name	Value
Mixed	
Auto	

(2 of 2)

Table 178-15 Expected Volts

Name	Value
Displayed name	Expected Volts
OSS name	expectedVolts
Type	equipment.ExpectedVolts
Default	v48
Units	Volts
Tab|Panel	General|Shelf Details

Table 178-16 Extra Data

Name	Value
Displayed name	Extra Data
OSS name	shelfExtraData
Type	STRING
Tab|Panel	General|Inventory
Description	Extra Info On Shelf.

Table 178-17 Factory ID

Name	Value
Displayed name	Factory ID
OSS name	shelfFactoryId
Type	STRING
Tab|Panel	General|Inventory
Description	Shelf Factory ID.

Table 178-18 Firmware Version

Name	Value
Displayed name	Firmware Version
OSS name	fwVer
Type	STRING
Default	0
Read-only	yes
Tab|Panel	General|ATCA Details

Table 178-19 Force Mode

Name	Value
Displayed name	Force Mode
OSS name	forceMode
Type	BOOL
Default	false
Tab|Panel	General|Chassis Mode

Table 178-20 Hardware Class

Name	Value
Displayed name	Hardware Class
OSS name	hardwareClass
Type	equipment.HardwareClassType
Default	no
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
External Alarm Input	
Fam	
N/A	

Table 178-21 High Voltage Threshold

Name	Value
Displayed name	High Voltage Threshold
OSS name	highVoltageThreshold
Type	FLOAT
Minimum	35.0
Maximum	80.0
Default	57.0
Units	Volts
Tab|Panel	General|Shelf Details

Table 178-22 HW Revision

Name	Value
Displayed name	HW Revision
OSS name	hwRev
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 178-23 Inhibit Autoswitching

Name	Value
Displayed name	Inhibit Autoswitching
OSS name	inhibitAutoSwitching
Type	BOOL
Tab|Panel	General|Protection Switch
Description	Shelf Inhibit Autoswitching[Applicable to the 1830 PSS-32].

Table 178-24 Installed Fans

Name	Value
Displayed name	Installed Fans
OSS name	numberOfInstalledFans

(1 of 2)

178 — Shelf

Name	Value
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Shelf Details

(2 of 2)

Table 178-25 Installed Fan Trays

Name	Value
Displayed name	Installed Fan Trays
OSS name	numberOfInstalledFanTrays
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Shelf Details

Table 178-26 Installed Ports

Name	Value
Displayed name	Installed Ports
OSS name	numberOfInstalledPorts
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Shelf Details

Table 178-27 Installed Power Supplies

Name	Value
Displayed name	Installed Power Supplies
OSS name	numberOfInstalledPowerSupplies
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Shelf Details

Table 178-28 Is Managed

Name	Value
Displayed name	Is Managed
OSS name	isManaged
Type	BOOL
Default	true
Tab|Panel	General|Shelf Details

Table 178-29 LED Status

Name	Value
Displayed name	LED Status
OSS name	statusLED
Type	STRING
Tab|Panel	General|Test/Analysis
Description	This value is built using LED state and color.

Table 178-30 Low Temperature State

Name	Value
Displayed name	Low Temperature State
OSS name	lowTemperatureState
Type	equipment.ChassisLowTempState
Default	N/A
Read-only	yes
Tab|Panel	General|Shelf Details
Enumerated types	
N/A	
Low	
OK	

Table 178-31 Low Voltage Threshold

Name	Value
Displayed name	Low Voltage Threshold

(1 of 2)

Name	Value
OSS name	lowVoltageThreshold
Type	FLOAT
Minimum	35.0
Maximum	80.0
Default	40.5
Units	Volts
Tab|Panel	General|Shelf Details

(2 of 2)

Table 178-32 Manufacture Date

Name	Value
Displayed name	Manufacture Date
OSS name	manufactureDate
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 178-33 Manufacturer

Name	Value
Displayed name	Manufacturer
OSS name	manufacturer
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 178-34 Manufacturing Assembly No

Name	Value
Displayed name	Manufacturing Assembly No
OSS name	manufacturingAssemblyNo
Type	STRING
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 178-35 Manufacturing Deviations

Name	Value
Displayed name	Manufacturing Deviations
OSS name	manufacturingDeviations
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 178-36 Manufacturing Variant

Name	Value
Displayed name	Manufacturing Variant
OSS name	manufacturingVariant
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 178-37 Mixed Mode State on Chassis Enabled

Name	Value
Displayed name	Mixed Mode State on Chassis Enabled
OSS name	mixedMode
Type	BOOL
Default	false
Tab|Panel	General|Mixed Mode

Table 178-38 Mnemonic

Name	Value
Displayed name	Mnemonic
OSS name	shelfMnemonic

(1 of 2)

Name	Value
Type	STRING
Tab|Panel	General|Inventory
Description	Shelf Mnemonic.

(2 of 2)

Table 178-39 Mode

Name	Value
Displayed name	Mode
OSS name	geoRedundancyMode
Type	equipment.GeoRedundancyMode
Default	Active-Active-Warm
Read-only	yes
Tab|Panel	General|Geo-Redundancy
Description	The geo-redundancy mode of this chassis.
Enumerated types	
Active-Active-Warm	
Active-Active-Hot	
Active-Standby-Warm	

Table 178-40 Name

Name	Value
Displayed name	Name
OSS name	shelfName
Type	STRING
Maximum	252
Tab|Panel	General|Geo-Redundancy

Table 178-41 Name

Name	Value
Displayed name	Name
OSS name	shelfName
Type	STRING
Maximum	252

(1 of 2)

Name	Value
Tab|Panel	General|Shelf Details

(2 of 2)

Table 178-42 Operational Mode

Name	Value
Displayed name	Operational Mode
OSS name	operMode
Type	equipment.ChassisMode
Default	N/A
Read-only	yes
Tab|Panel	General|Chassis Mode
Enumerated types	
A	
B	
C	
D	
N/A	

Table 178-43 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	equipment.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	General|Equipment
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	

(1 of 2)

Name	Value
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	
Provisioned	
Reserved	
Reset Pending	
Shutting Down	
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

(2 of 2)

Table 178-44 Over Temperature State

Name	Value
Displayed name	Over Temperature State
OSS name	overTemperatureState
Type	equipment.ChassisTempState
Default	N/A
Read-only	yes
Tab|Panel	General|Shelf Details
Enumerated types	
N/A	
OK	
Over	

Table 178-45 Part Number

Name	Value
Displayed name	Part Number

(1 of 2)

Name	Value
OSS name	manufacturerBoardNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 178-46 Perform LED Test

Name	Value
Displayed name	Perform LED Test
OSS name	lampTest
Type	equipment.PerformCommand
Default	noCmd
Tab|Panel	General|Test/Analysis
Description	Perform a lamp test on the shelf.

Table 178-47 PF A Expected

Name	Value
Displayed name	PF A Expected
OSS name	pfAexpectedAmps
Type	equipment.PFExpectedAmpsType
Default	3.7
Tab|Panel	General|Shelf Details
Enumerated types	
20.6	
3.7	
8.5	
N/A	

Table 178-48 PF B Expected

Name	Value
Displayed name	PF B Expected
OSS name	pfBexpectedAmps

(1 of 2)

Name	Value
Type	equipment.PFExpectedAmpsType
Default	8.5
Tab|Panel	General|Shelf Details
Enumerated types	
20.6	
3.7	
8.5	
N/A	

(2 of 2)

Table 178-49 PoE External Power Supply Status

Name	Value
Displayed name	PoE External Power Supply Status
OSS name	poeExternalPowerSupplyStatus
Type	equipment.PoeExternalPowerSupplyStatus
Default	Absent
Tab|Panel	PoE|General
Enumerated types	
Absent	
Present	

Table 178-50 PoE Power Supply Source

Name	Value
Displayed name	PoE Power Supply Source
OSS name	poePowerSupplyMode
Type	equipment.PoePowerSupplyMode
Default	None
Tab|Panel	PoE|General
Enumerated types	
External	
Internal	
None	

Table 178-51 PoE Power Supply Status

Name	Value
Displayed name	PoE Power Supply Status
OSS name	poePowerSupplyStatus
Type	equipment.PoePowerSupplyStatus
Default	None
Tab|Panel	PoE|General
Enumerated types	
Bad	
Good	
None	

Table 178-52 Present Shelf Type

Name	Value
Displayed name	Present Shelf Type
OSS name	shelfPresentType
Type	equipment.ShelfType
Default	Unknown
Tab|Panel	General|Shelf Details
Enumerated types	
1830 PSS 16	
1830 PSS 1 AHP	
1830 PSS 1 GBEH	
1830 PSS 1 MD4H	
1830 PSS 32	
1830 PSS 32s	
1830 PSS 36	
1830 PSS 4	
DCM :Dispersion Compensation Module Shelf	
ITLB: Interleaver Shelf, Bidirectional	
ITLU: Interleaver Shelf, Unidirectional	
1830 PSS 16 Shelf	
1830 PSS 32s 1.2T Shelf	
1830 PSS 32s 1.6T Shelf	
1830 PSS 32 Shelf	
1830 PSS 36 Shelf	

(1 of 7)

Name	Value
1830 PSS 4 Shelf	
SFD 40 B:Static Filter DWDM 40 Odd Channel Shelf	
SFD 40: Static Filter DWDM 40 Even Channel Shelf	
SFD 44 B :Static Filter DWDM 44 Odd Channel Shelf	
SFD 44: Static Filter DWDM 44 Even Channel Shelf	
1830 PSS Universal Shelf	
Empty Shelf	
Master Shelf	
Unknown Shelf	
OmniSwitch 10K	
OS6250-24	
OS6250-24M	
OS6250-24MD	
OS6250-8M	
OmniSwitch 6250	
OS6250-P24	
OS6400-24	
OS6400-48	
OmniSwitch 6400	
OS6400-DU24	
OS6400-P24	
OS6400-P48	
OS6400-U24	
OS6450-10	
OS6450-10L	
OS6450-24	
OS6450-24L	
OS6450-48	
OS6450-48L	
OS6450-P10	
OS6450-P10L	
OS6450-P24	
OS6450-P24L	
OS6450-P48	
OS6450-P48L	
OS6450-U24	
OS6850-24	

(2 of 7)

Name	Value
OS6850-24L	
OS6850-24LU	
OS6850-24X	
OS6850-48	
OS6850-48L	
OS6850-48LU	
OS6850-48X	
OmniSwitch 6850	
OS6850-P24	
OS6850-P24L	
OS6850-P24LU	
OS6850-P24X	
OS6850-P48	
OS6850-P48L	
OS6850-P48LU	
OS6850-P48X	
OS6850-U24X	
OS6850E-24	
OS6850E-24X	
OS6850E-48	
OS6850E-48X	
OmniSwitch 6850E	
OS6850E-P24	
OS6850E-P24X	
OS6850E-P48	
OS6850E-P48X	
OS6850E-U24X	
OS6855-14	
OS6855-24	
OmniSwitch 6855	
OmniSwitch 6855-U24X	
OS6855-U10	
OS6855-U24	
OS6855-U24X	
OmniSwitch 6900-T20	
OmniSwitch 6900-T40	
OmniSwitch 6900-X20	

(3 of 7)

Name	Value
OmniSwitch 6900-X40	
OmniSwitch 9600	
OmniSwitch 9700	
OmniSwitch 9700E	
OmniSwitch 9800	
OmniSwitch 9800E	
NUAGE-VSC-1	
NUAGE-1	
5780 DSC - ATCA	
5780 DSC - CSB	
5780 DSC - DCP	
5780 DSC - Non-ATCA	
5780 DSC - PCRF	
E-NODEB	
9412 D2U E-NODEB FDD	
9412 D2U E-NODEB Indoor FDD	
9412 D2U E-NODEB Outdoor with AMR FDD	
9412 D2U E-NODEB Outdoor without AMR FDD	
9412 D2U E-NODEB TDD	
9412 D2U E-NODEB Indoor TDD	
9412 D2U E-NODEB Outdoor with AMR TDD	
9412 D2U E-NODEB Outdoor without AMR TDD	
9412 D2U BUILT-IN EAM E-NODEB TDD	
9763 MCI FAM E-NODEB FDD	
9764 MCO FAM E-NODEB FDD	
9764 MCO FAM Adv E-NODEB FDD	
9764 MCO TRF E-NODEB FDD	
9926 D2U E-NODEB FDD	
9926 D2U E-NODEB TDD	
Pre-Provisioned E-NODEB	
7450-ESS12	
7450-ESS1	
7450-ESS24	
7450-ESS4	
7450-ESS6	
7450-ESS6V	
7450-ESS7	

(4 of 7)

Name	Value
GNE	
HIP Chassis	
7750-SR12-MG	
7750-SR7-MG	
MDR-8000E-Compak	
MDR-8000E-Standard	
MDR-8000i	
MDR-8000s	
MDR-8000u	
MDR 8000-Compact	
MDR 8000-Hot-Standby	
9471 MME	
9500 MPR-A Chassis 1	
9500 MPR-E Chassis 1	
9500 MPR-A Chassis 4	
9500 MPR-E Chassis 4	
9500 MPR-A	
9500 MPR-E	
MSS-1	
MSS-4	
MSS-8	
9500 MPRe	
7705-SAR18	
7705-SAR8	
7705-SAR8 v2	
7705-SARF	
7705 SAR-H	
7705 SAR-Hc	
7705-SARM ASAP	
7705-SARM ASAP FL	
7705 SAR-A	
7705 SAR-A T1/E1	
7705-SARM	
7705-SARM FL	
7705 SAR-W	
7705 SAR-Wx (4GE xDSL)	
7705 SAR-Wx (4GE xDSL GPS Rx)	

(5 of 7)

Name	Value
7705 SAR-Wx (5GE)	
7705 SAR-Wx (5GE GPS Rx)	
7705 SAR-Wx (5GE PoE+)	
7705 SAR-Wx (5GE PoE+ GPS Rx)	
7250 SAS ES	
7250 SAS ESA	
7250 SAS	
7210 SAS-D-6F-4T	
7210 SAS-D-6F-4T ETR	
7210 SAS-E	
7210 SAS-M-24F	
7210 SAS-M-24F-2XFP	
7210 SAS-M-24F-2XFP ETR	
7210 SAS-M-24F ETR	
7210 SAS-R6	
7210 SAS-T-12F-10T-4XFP	
7210 SAS-T-12F-10T-4XFP ETR	
7210 SAS-X-24F-2XFP	
9471 SGSN	
7701 CPAA	
7750-SR12	
7750-SRc12	
7750-SR12e	
7750-SR1	
7750-SR24	
7750-SRc4	
7750-SR4	
7710-SRc12	
7710-SRc4	
7750-SR7	
9471 SRS	
T4R	
T5 Compact 24F	
T5 Compact 24G	
T5 Compact 24GT	
T5 Compact 24T	
T5 Compact 48T	

(6 of 7)

Name	Value
T5R	
Unknown	
9471 WMM	
7950-XRS16	
7950-XRS20	

(7 of 7)

Table 178-53 Protection Switch

Name	Value
Displayed name	Protection Switch
OSS name	shelfActivitySwitch
Type	equipment.PerformCommand
Default	noCmd
Tab|Panel	General|Protection Switch
Description	Perform an activity switch on this shelf. When read, this object returns noCmd.

Table 178-54 PSE Maximum Power Budget

Name	Value
Displayed name	PSE Maximum Power Budget
OSS name	poeMaxPowerBudget
Type	INT
Minimum	0
Maximum	60
Default	60
Units	watts
Tab|Panel	PoE|General

Table 178-55 PSE Power Available

Name	Value
Displayed name	PSE Power Available
OSS name	poeMainPseAvaliablePower
Type	INT
Minimum	0

(1 of 2)

Name	Value
Maximum	60
Default	60
Units	watts
Tab|Panel	PoE|General

(2 of 2)

Table 178-56 PSE Power Consumed

Name	Value
Displayed name	PSE Power Consumed
OSS name	poeMainPseConsumptionPower
Type	INT
Minimum	0
Maximum	60
Default	0
Units	watts
Tab|Panel	PoE|General

Table 178-57 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	shelfSerialNumber
Type	STRING
Tab|Panel	General|Inventory
Description	Shelf Serial Number.

Table 178-58 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	serialNum
Type	STRING
Maximum	16
Tab|Panel	General|Shelf Details

Table 178-59 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	serialNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 178-60 Shelf Description

Name	Value
Displayed name	Shelf Description
OSS name	shelfDesc
Type	STRING
Maximum	255
Tab|Panel	General|Shelf Details

Table 178-61 Shelf ID

Name	Value
Displayed name	Shelf ID
OSS name	shelfId
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|Shelf Details

Table 178-62 Shelf Type

Name	Value
Displayed name	Shelf Type
OSS name	shelfType
Type	equipment.ShelfType
Default	Unknown

(1 of 7)

Name	Value
Tab|Panel	General|Shelf Details
Enumerated types	
1830 PSS 16	
1830 PSS 1 AHP	
1830 PSS 1 GBEH	
1830 PSS 1 MD4H	
1830 PSS 32	
1830 PSS 32s	
1830 PSS 36	
1830 PSS 4	
DCM :Dispersion Compensation Module Shelf	
ITLB: Interleaver Shelf, Bidirectional	
ITLU: Interleaver Shelf, Unidirectional	
1830 PSS 16 Shelf	
1830 PSS 32s 1.2T Shelf	
1830 PSS 32s 1.6T Shelf	
1830 PSS 32 Shelf	
1830 PSS 36 Shelf	
1830 PSS 4 Shelf	
SFD 40 B:Static Filter DWDM 40 Odd Channel Shelf	
SFD 40: Static Filter DWDM 40 Even Channel Shelf	
SFD 44 B :Static Filter DWDM 44 Odd Channel Shelf	
SFD 44: Static Filter DWDM 44 Even Channel Shelf	
1830 PSS Universal Shelf	
Empty Shelf	
Master Shelf	
Unknown Shelf	
OmniSwitch 10K	
OS6250-24	
OS6250-24M	
OS6250-24MD	
OS6250-8M	
OmniSwitch 6250	
OS6250-P24	
OS6400-24	
OS6400-48	
OmniSwitch 6400	

(2 of 7)

Name	Value
OS6400-DU24	
OS6400-P24	
OS6400-P48	
OS6400-U24	
OS6450-10	
OS6450-10L	
OS6450-24	
OS6450-24L	
OS6450-48	
OS6450-48L	
OS6450-P10	
OS6450-P10L	
OS6450-P24	
OS6450-P24L	
OS6450-P48	
OS6450-P48L	
OS6450-U24	
OS6850-24	
OS6850-24L	
OS6850-24LU	
OS6850-24X	
OS6850-48	
OS6850-48L	
OS6850-48LU	
OS6850-48X	
OmniSwitch 6850	
OS6850-P24	
OS6850-P24L	
OS6850-P24LU	
OS6850-P24X	
OS6850-P48	
OS6850-P48L	
OS6850-P48LU	
OS6850-P48X	
OS6850-U24X	
OS6850E-24	
OS6850E-24X	

(3 of 7)

Name	Value
OS6850E-48	
OS6850E-48X	
OmniSwitch 6850E	
OS6850E-P24	
OS6850E-P24X	
OS6850E-P48	
OS6850E-P48X	
OS6850E-U24X	
OS6855-14	
OS6855-24	
OmniSwitch 6855	
OmniSwitch 6855-U24X	
OS6855-U10	
OS6855-U24	
OS6855-U24X	
OmniSwitch 6900-T20	
OmniSwitch 6900-T40	
OmniSwitch 6900-X20	
OmniSwitch 6900-X40	
OmniSwitch 9600	
OmniSwitch 9700	
OmniSwitch 9700E	
OmniSwitch 9800	
OmniSwitch 9800E	
NUAGE-VSC-1	
NUAGE-1	
5780 DSC - ATCA	
5780 DSC - CSB	
5780 DSC - DCP	
5780 DSC - Non-ATCA	
5780 DSC - PCRF	
E-NODEB	
9412 D2U E-NODEB FDD	
9412 D2U E-NODEB Indoor FDD	
9412 D2U E-NODEB Outdoor with AMR FDD	
9412 D2U E-NODEB Outdoor without AMR FDD	
9412 D2U E-NODEB TDD	

(4 of 7)

Name	Value
9412 D2U E-NODEB Indoor TDD	
9412 D2U E-NODEB Outdoor with AMR TDD	
9412 D2U E-NODEB Outdoor without AMR TDD	
9412 D2U BUILT-IN EAM E-NODEB TDD	
9763 MCI FAM E-NODEB FDD	
9764 MCO FAM E-NODEB FDD	
9764 MCO FAM Adv E-NODEB FDD	
9764 MCO TRF E-NODEB FDD	
9926 D2U E-NODEB FDD	
9926 D2U E-NODEB TDD	
Pre-Provisioned E-NODEB	
7450-ESS12	
7450-ESS1	
7450-ESS24	
7450-ESS4	
7450-ESS6	
7450-ESS6V	
7450-ESS7	
GNE	
HIP Chassis	
7750-SR12-MG	
7750-SR7-MG	
MDR-8000E-Compak	
MDR-8000E-Standard	
MDR-8000i	
MDR-8000s	
MDR-8000u	
MDR 8000-Compact	
MDR 8000-Hot-Standby	
9471 MME	
9500 MPR-A Chassis 1	
9500 MPR-E Chassis 1	
9500 MPR-A Chassis 4	
9500 MPR-E Chassis 4	
9500 MPR-A	
9500 MPR-E	
MSS-1	

(5 of 7)

Name	Value
MSS-4	
MSS-8	
9500 MPRe	
7705-SAR18	
7705-SAR8	
7705-SAR8 v2	
7705-SARF	
7705 SAR-H	
7705 SAR-Hc	
7705-SARM ASAP	
7705-SARM ASAP FL	
7705 SAR-A	
7705 SAR-A T1/E1	
7705-SARM	
7705-SARM FL	
7705 SAR-W	
7705 SAR-Wx (4GE xDSL)	
7705 SAR-Wx (4GE xDSL GPS Rx)	
7705 SAR-Wx (5GE)	
7705 SAR-Wx (5GE GPS Rx)	
7705 SAR-Wx (5GE PoE+)	
7705 SAR-Wx (5GE PoE+ GPS Rx)	
7250 SAS ES	
7250 SAS ESA	
7250 SAS	
7210 SAS-D-6F-4T	
7210 SAS-D-6F-4T ETR	
7210 SAS-E	
7210 SAS-M-24F	
7210 SAS-M-24F-2XFP	
7210 SAS-M-24F-2XFP ETR	
7210 SAS-M-24F ETR	
7210 SAS-R6	
7210 SAS-T-12F-10T-4XFP	
7210 SAS-T-12F-10T-4XFP ETR	
7210 SAS-X-24F-2XFP	
9471 SGSN	

(6 of 7)

Name	Value
7701 CPAA	
7750-SR12	
7750-SRc12	
7750-SR12e	
7750-SR1	
7750-SR24	
7750-SRc4	
7750-SR4	
7710-SRc12	
7710-SRc4	
7750-SR7	
9471 SRS	
T4R	
T5 Compact 24F	
T5 Compact 24G	
T5 Compact 24GT	
T5 Compact 24T	
T5 Compact 48T	
T5R	
Unknown	
9471 WMM	
7950-XRS16	
7950-XRS20	

(7 of 7)

Table 178-63 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Equipment

Table 178-64 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Equipment

Table 178-65 Software Part Number

Name	Value
Displayed name	Software Part Number
OSS name	shelfSoftwarePartNumber
Type	STRING
Tab|Panel	General|Inventory
Description	Shelf Software PartNumber.

Table 178-66 Software Version

Name	Value
Displayed name	Software Version
OSS name	swVer
Type	STRING
Default	0
Read-only	yes
Tab|Panel	General|ATCA Details

Table 178-67 Standby EC Ready to Protect

Name	Value
Displayed name	Standby EC Ready to Protect
OSS name	mateCCReadyToProtect
Type	BOOL
Tab|Panel	General|Protection Switch

(1 of 2)

Name	Value
Description	Is Shelf's Standby EC Ready to Protect.

(2 of 2)

Table 178-68 Standby Status

Name	Value
Displayed name	Standby Status
OSS name	geoStandbyStatus
Type	equipment.StandbyStatus
Default	Not Relevant
Read-only	yes
Tab|Panel	General|Geo-Redundancy
Description	The geo-redundancy standby status of this chassis. 'Providing service' implies this is the local chassis and any other state implies the chassis is a geo-redundant remote.
Enumerated types	
Cold Standby	
Hot Standby	
Not Relevant	
Providing Service	
Unknown	

Table 178-69 State

Name	Value
Displayed name	State
OSS name	sasMode
Type	INT
Default	mpls_mode
Tab|Panel	General|Uplink Mode

Table 178-70 Switch Model

Name	Value
Displayed name	Switch Model
OSS name	switchModel
Type	STRING

(1 of 2)

Name	Value
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 178-71 Total Slots

Name	Value
Displayed name	Total Slots
OSS name	numberOfCardSlots
Type	INT
Default	1
Read-only	yes
Tab|Panel	General|Shelf Details

Table 178-72 Unit Part Number

Name	Value
Displayed name	Unit Part Number
OSS name	shelfUnitPartNumber
Type	STRING
Tab|Panel	General|Inventory
Description	Shelf Unit Manufacturing PartNumber.

Table 178-73 Unknown Status

Name	Value
Displayed name	Unknown Status
OSS name	unknownStatus
Type	equipment.UnknownStatus
Default	True
Read-only	yes
Tab|Panel	General|ATCA Details
Enumerated types	
False	
True	

Table 178-74 Voltage Threshold Tolerance

Name	Value
Displayed name	Voltage Threshold Tolerance
OSS name	voltageThresholdTolerance
Type	INT
Minimum	1
Maximum	5
Default	2
Units	Volts
Tab|Panel	General|Shelf Details

Table 178-75 Wavelength Tracker Enabled

Name	Value
Displayed name	Wavelength Tracker Enabled
OSS name	wtMode
Type	BOOL
Tab|Panel	General|Shelf Details
Description	Wavelength Tracker Mode of the Shelf.

179 —Site

Table 179-1 LACP System Priority

Name	Value
Displayed name	LACP System Priority
OSS name	sysLacpSystemPriority
Type	INT
Minimum	1
Maximum	65535
Default	32768
Tab|Panel	General|General

180 —Site FIB

Table 180-1 Site FIB parameters

Parameters	
Administrative State	Propagate MAC Flush
Aging Enabled	Remote Age Time
Discard Unknown Destinations	Retry Timeout
Entries	Secondary Ports Cumulative Factor
High Watermark	Service ID
Learning Enabled	Service Name
Local Age Time	Site ID
Low Watermark	Site Name
MAC Flush on Fail	Size
MAC Subnet Length	Static Entries
Move Frequency	Subscriber ID
Number of Retries	Subscriber Name
Primary Ports Cumulative Factor	

Table 180-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	macMoveAdministrativeState
Type	l2fwd.MacMoveState
Default	Down
Tab|Panel	General|MAC Move

(1 of 2)

Name	Value
Enumerated types	
Down	
Unknown	
Up	

(2 of 2)

Table 180-3 Aging Enabled

Name	Value
Displayed name	Aging Enabled
OSS name	agingEnabled
Type	BOOL
Default	true
Tab|Panel	General|Properties

Table 180-4 Discard Unknown Destinations

Name	Value
Displayed name	Discard Unknown Destinations
OSS name	discardUnknownDestinations
Type	BOOL
Default	false
Tab|Panel	General|Properties

Table 180-5 Entries

Name	Value
Displayed name	Entries
OSS name	entries
Type	LONG
Default	0
Tab|Panel	General|Properties

Table 180-6 High Watermark

Name	Value
Displayed name	High Watermark
OSS name	highWatermark
Type	LONG
Minimum	0
Maximum	100
Default	95
Units	%
Tab|Panel	General|Properties

Table 180-7 Learning Enabled

Name	Value
Displayed name	Learning Enabled
OSS name	learningEnabled
Type	BOOL
Default	true
Tab|Panel	General|Properties

Table 180-8 Local Age Time

Name	Value
Displayed name	Local Age Time
OSS name	localAgeTime
Type	LONG
Minimum	60
Maximum	86400
Default	300
Units	seconds
Tab|Panel	General|Properties

Table 180-9 Low Watermark

Name	Value
Displayed name	Low Watermark
OSS name	lowWatermark
Type	LONG
Minimum	0
Maximum	100
Default	90
Units	%
Tab|Panel	General|Properties

Table 180-10 MAC Flush on Fail

Name	Value
Displayed name	MAC Flush on Fail
OSS name	macFlushOnFail
Type	l2fwd.MacFlushAdminState
Default	Disabled
Tab|Panel	General|Properties
Description	Specifies whether a special mac-flush is sent when a port or sap becomes operational down. Replace the property "macflushOnFail" on VPLS site.
Enumerated types	
Disabled	
Enabled	

Table 180-11 MAC Subnet Length

Name	Value
Displayed name	MAC Subnet Length
OSS name	macSubnetLength
Type	INT
Minimum	24
Maximum	48
Default	48
Tab|Panel	General|Properties
Description	Specifies how many bits, starting from the beginning of the MAC address are used for MAC learning and switching.

Table 180-12 Move Frequency

Name	Value
Displayed name	Move Frequency
OSS name	macMoveFrequency
Type	INT
Minimum	1
Maximum	10
Default	2
Tab|Panel	General|MAC Move

Table 180-13 Number of Retries

Name	Value
Displayed name	Number of Retries
OSS name	macMoveNumRetries
Type	LONG
Minimum	0
Maximum	255
Default	3
Tab|Panel	General|MAC Move
Description	This value specifies the number of times retries are performed for re-enabling the SAP/SDP. A value of zero indicates unlimited number of retries.

Table 180-14 Primary Ports Cumulative Factor

Name	Value
Displayed name	Primary Ports Cumulative Factor
OSS name	macMovePrimaryPortsCumulativeFactor
Type	LONG
Minimum	3
Maximum	10
Default	3
Tab|Panel	General|MAC Move
Description	The value specifies a factor for the secondary ports defining how many MAC-relearn periods should be used to measure the MAC-relearn rate. This rate must be exceeded during consecutive periods before the corresponding ports (SAP and/or spoke-SDP) are blocked by the MAC-move feature.

Table 180-15 Propagate MAC Flush

Name	Value
Displayed name	Propagate MAC Flush
OSS name	propagateMacFlush
Type	BOOL
Default	false
Tab|Panel	General|Properties
Description	Specifies whether 'MAC flush' messages received from the given LDP are propagated to all spoke-SDPs and mesh-SDPs within the context of this VPLS service. The propagation will follow the 'split-horizon' principle and any data-path blocking in order to avoid the looping of these messages.

Table 180-16 Remote Age Time

Name	Value
Displayed name	Remote Age Time
OSS name	remoteAgeTime
Type	LONG
Minimum	60
Maximum	86400
Default	900
Units	seconds
Tab|Panel	General|Properties

Table 180-17 Retry Timeout

Name	Value
Displayed name	Retry Timeout
OSS name	macMoveRetryTimeout
Type	INT
Minimum	0
Maximum	120
Default	10
Tab|Panel	General|MAC Move

Table 180-18 Secondary Ports Cumulative Factor

Name	Value
Displayed name	Secondary Ports Cumulative Factor
OSS name	macMoveSecondaryPortsCumulativeFactor
Type	LONG
Minimum	2
Maximum	9
Default	2
Tab|Panel	General|MAC Move
Description	The value specifies a factor for the secondary ports defining how many MAC-relearn periods should be used to measure the MAC-relearn rate. This rate must be exceeded during consecutive periods before the corresponding ports (SAP and/or spoke-SDP) are blocked by the MAC-move feature.

Table 180-19 Service ID

Name	Value
Displayed name	Service ID
OSS name	serviceId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Service

Table 180-20 Service Name

Name	Value
Displayed name	Service Name
OSS name	serviceName
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Service

Table 180-21 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 180-22 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 180-23 Size

Name	Value
Displayed name	Size
OSS name	size
Type	LONG
Minimum	1
Maximum	131071
Default	250
Units	entries
Tab|Panel	General|Properties

Table 180-24 Static Entries

Name	Value
Displayed name	Static Entries
OSS name	staticEntries
Type	LONG
Default	0
Tab|Panel	General|Properties

Table 180-25 Subscriber ID

Name	Value
Displayed name	Subscriber ID
OSS name	subscriberId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Subscriber

Table 180-26 Subscriber Name

Name	Value
Displayed name	Subscriber Name
OSS name	subscriberName
Type	STRING
Maximum	32
Read-only	yes
Tab|Panel	General|Subscriber

181 —SiteIgmpSnooping

Table 181-1 SiteIgmpSnooping parameters

Parameters	
Administrative State	Report source address
Query Interval	Robust count
Query source address	Use query source address

Table 181-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	l2fwd.IgmpSnoopingState
Default	Down
Tab|Panel	General|General
Enumerated types	
Down	
Up	

Table 181-3 Query Interval

Name	Value
Displayed name	Query Interval
OSS name	queryInterval
Type	INT
Minimum	1
Maximum	65535
Default	125
Units	seconds
Tab|Panel	General|General

Table 181-4 Query source address

Name	Value
Displayed name	Query source address
OSS name	querySrcAddress
Type	INETADDR
Default	0.0.0.0
Tab|Panel	General|General
Description	This property, together with the value of useQuerySrcAddress, specifies the source IP address used when generating IGMP queries. The value of this property is only used when the value of useQuerySrcAddr is 'true'.

Table 181-5 Report source address

Name	Value
Displayed name	Report source address
OSS name	reportSrcAddress
Type	INETADDR
Default	0.0.0.0
Tab|Panel	General|General

Table 181-6 Robust count

Name	Value
Displayed name	Robust count

(1 of 2)

Name	Value
OSS name	robustCount
Type	INT
Minimum	1
Maximum	255
Default	2
Tab|Panel	General|General

(2 of 2)

Table 181-7 Use query source address

Name	Value
Displayed name	Use query source address
OSS name	useQuerySrcAddress
Type	BOOL
Default	false
Tab|Panel	General|General
Description	This property, together with the value of querySrcAddress, specifies the source IP address used when generating IGMP queries. When the value of this property is 'true', the value configured in querySrcAddress is used as the query source address. When the value of this property is 'false', the IP address of the system interface is used.

182 —Site User Profile Match Entry

Table 182-1 Site User Profile Match Entry parameters

Parameters	
Action Description Displayed Name	ID Match String

Table 182-2 Action

Name	Value
Displayed name	Action
OSS name	action
Type	sitesec.UserProfileAction
Tab|Panel	General|Properties
Description	Action to be used in case if a command matches this entry.

Table 182-3 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING

(1 of 2)

Name	Value
Minimum	0
Maximum	80
Tab|Panel	General|General

(2 of 2)

Table 182-4 Displayed Name

Name	Value
Displayed name	Displayed Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 182-5 ID

Name	Value
Displayed name	ID
OSS name	id
Type	LONG
Minimum	0
Maximum	4294967295
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

Table 182-6 Match String

Name	Value
Displayed name	Match String
OSS name	matchString
Type	STRING
Minimum	0
Maximum	256
Tab|Panel	General|Properties

(1 of 2)

Name	Value
Description	Match string to be used for this entry.

(2 of 2)

183 —SoftwareUpgradePolicy

Table 183-1 SoftwareUpgradePolicy parameters

Parameters	
ATCA Image Root Path	Running Directory
Auto-Accept After Successful Software Activation	Server IP
Auto-Activate After Successful File Transfer	SFTP/FTP Password
Auto-Activate After Successful File Transfer	SFTP/FTP Server IP
Auto-Commit After Successful Software Activation	SFTP/FTP Server Port
CFlash Backup Root Path	SFTP/FTP User ID
CFlash Image Root Path	SFTP Password
Forced Download	SFTP Password
Force Upgrade	SFTP Server Port
FTP Password	SFTP Server Port
FTP Server Port	SFTP User ID
FTP User ID	SFTP User ID
Host Key Fingerprint	Software Download
Image Root Path	Software Upgrade Options
Name	Time To Wait Before Fallback To Previous Software Version
Node Backup	Transfer Protocol
Policy ID	Transfer Protocol
Policy Type	Transfer Protocol
Root Directory	Upgrade File Type
Root Directory	Use Active Server

Table 183-2 ATCA Image Root Path

Name	Value
Displayed name	ATCA Image Root Path
OSS name	cflashImageRoot
Type	STRING
Minimum	0
Maximum	255
Default	cf3:/images
Tab|Panel	General|MME Based Setting
Description	Specifies the location on the node file system, where the software image files shall be transferred.

Table 183-3 Auto-Accept After Successful Software Activation

Name	Value
Displayed name	Auto-Accept After Successful Software Activation
OSS name	isAutoAccept
Type	BOOL
Default	false
Tab|Panel	General|eNodeB Based Setting
Description	Indicates whether the 5620 SAM shall automatically send the 'Accept Software Image' request to the eNodeB following a successful 'Activation' of that same Software Image.

Table 183-4 Auto-Activate After Successful File Transfer

Name	Value
Displayed name	Auto-Activate After Successful File Transfer
OSS name	isAutoActivate
Type	BOOL
Default	true
Tab|Panel	General|eNodeB Based Setting
Description	Indicates whether the 5620SAM server shall activate the software image, after transferring it successfully to the node. Image activation involves updating the bof file on the node to point to this image, backing up the currently active boot loader and replacing it by the boot loader from the selected image and then forcing a boot env resync for nodes with redundant CPMs. Note : Deprecated for SR family in 12.0, use mediation.SoftwareFolderDescriptor.activateImage() instead.

Table 183-5 Auto-Activate After Successful File Transfer

Name	Value
Displayed name	Auto-Activate After Successful File Transfer
OSS name	isAutoActivate
Type	BOOL
Default	true
Tab|Panel	General|PSS Based Setting
Description	Indicates whether the 5620SAM server shall activate the software image, after transferring it successfully to the node. Image activation involves updating the bof file on the node to point to this image, backing up the currently active boot loader and replacing it by the boot loader from the selected image and then forcing a boot env resync for nodes with redundant CPMs. Note : Deprecated for SR family in 12.0, use mediation.SoftwareFolderDescriptor.activateImage() instead.

Table 183-6 Auto-Commit After Successful Software Activation

Name	Value
Displayed name	Auto-Commit After Successful Software Activation
OSS name	isAutoAccept
Type	BOOL
Default	false
Tab|Panel	General|PSS Based Setting
Description	Indicates whether the 5620 SAM shall automatically send the 'Accept Software Image' request to the eNodeB following a successful 'Activation' of that same Software Image.

Table 183-7 CFlash Backup Root Path

Name	Value
Displayed name	CFlash Backup Root Path
OSS name	cflashBackupRoot
Type	STRING
Minimum	0
Maximum	255
Default	cf3:/backup
Tab|Panel	General|SR Based Setting
Description	Specifies the location on the node file system, where the currently active boot loader shall be backed up, before replacing it with the new boot loader.

Table 183-8 CFlash Image Root Path

Name	Value
Displayed name	CFlash Image Root Path
OSS name	cflashImageRoot
Type	STRING
Minimum	0
Maximum	255
Default	cf3:/images
Tab|Panel	General|SR Based Setting
Description	Specifies the location on the node file system, where the software image files shall be transferred.

Table 183-9 Forced Download

Name	Value
Displayed name	Forced Download
OSS name	forcedActivation
Type	BOOL
Default	false
Tab|Panel	General|MPR Based Setting

Table 183-10 Force Upgrade

Name	Value
Displayed name	Force Upgrade
OSS name	forceUpgrade
Type	BOOL
Default	false
Tab|Panel	General|PSS Audit Setting
Description	This attribute on enable, MAY result in the DB being purged (only if there is no upgrade path available)

Table 183-11 FTP Password

Name	Value
Displayed name	FTP Password

(1 of 2)

Name	Value
OSS name	ftpPassword
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|MPR Based Setting|FTP Settings

(2 of 2)

Table 183-12 FTP Server Port

Name	Value
Displayed name	FTP Server Port
OSS name	ftpServerPort
Type	INT
Default	21
Tab|Panel	General|MPR Based Setting|FTP Settings

Table 183-13 FTP User ID

Name	Value
Displayed name	FTP User ID
OSS name	ftpUser
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|MPR Based Setting|FTP Settings

Table 183-14 Host Key Fingerprint

Name	Value
Displayed name	Host Key Fingerprint
OSS name	sshHostKeyFingerPrint
Type	STRING
Maximum	32
Default	no
Tab|Panel	General|MPR Based Setting|SFTP Settings

Table 183-15 Image Root Path

Name	Value
Displayed name	Image Root Path
OSS name	cflashImageRoot
Type	STRING
Minimum	0
Maximum	255
Default	cf3:/images
Tab|Panel	General|AOS Based Setting
Description	Specifies the location on the node file system, where the software image files shall be transferred.

Table 183-16 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General
Description	Specifies the name of this software upgrade policy.

Table 183-17 Node Backup

Name	Value
Displayed name	Node Backup
OSS name	backup
Type	BOOL
Default	true
Tab|Panel	General|PSS Audit Setting
Description	This attribute, enforces node for DB backup

Table 183-18 Policy ID

Name	Value
Displayed name	Policy ID
OSS name	policyId
Type	INT
Minimum	1
Maximum	65535
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	Specifies the id assigned to this software upgrade policy.

Table 183-19 Policy Type

Name	Value
Displayed name	Policy Type
OSS name	policyType
Type	mediation.PolicyType
Default	SR Based Node
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
AOS Based Node	
MME Node	
MPR Node	
1830 PSS Node	
eNodeB Node	
SR Based Node	

Table 183-20 Root Directory

Name	Value
Displayed name	Root Directory
OSS name	ftpRootDir
Type	STRING
Minimum	0

(1 of 2)

Name	Value
Maximum	255
Default	/
Tab|Panel	General|MPR Based Setting

(2 of 2)

Table 183-21 Root Directory

Name	Value
Displayed name	Root Directory
OSS name	ftpRootDir
Type	STRING
Minimum	0
Maximum	255
Default	/
Tab|Panel	General|PSS Based Setting

Table 183-22 Running Directory

Name	Value
Displayed name	Running Directory
OSS name	runningDirectory
Type	STRING
Minimum	0
Maximum	255
Default	working
Tab|Panel	General|AOS Based Setting

Table 183-23 Server IP

Name	Value
Displayed name	Server IP
OSS name	ftpServerIP
Type	INETADDR
Default	127.0.0.1
Tab|Panel	General|PSS Based Setting

Table 183-24 SFTP/FTP Password

Name	Value
Displayed name	SFTP/FTP Password
OSS name	ftpPassword
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|PSS Based Setting

Table 183-25 SFTP/FTP Server IP

Name	Value
Displayed name	SFTP/FTP Server IP
OSS name	ftpServerIP
Type	INETADDR
Default	127.0.0.1
Tab|Panel	General|MPR Based Setting

Table 183-26 SFTP/FTP Server Port

Name	Value
Displayed name	SFTP/FTP Server Port
OSS name	ftpServerPort
Type	INT
Default	21
Tab|Panel	General|PSS Based Setting

Table 183-27 SFTP/FTP User ID

Name	Value
Displayed name	SFTP/FTP User ID
OSS name	ftpUser
Type	STRING
Minimum	0
Maximum	255

(1 of 2)

Name	Value
Tab|Panel	General|PSS Based Setting

(2 of 2)

Table 183-28 SFTP Password

Name	Value
Displayed name	SFTP Password
OSS name	sftpPassword
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|MPR Based Setting|SFTP Settings

Table 183-29 SFTP Password

Name	Value
Displayed name	SFTP Password
OSS name	sftpPassword
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|SFTP Setting

Table 183-30 SFTP Server Port

Name	Value
Displayed name	SFTP Server Port
OSS name	sFtpServerPort
Type	INT
Default	22
Tab|Panel	General|MPR Based Setting|SFTP Settings

Table 183-31 SFTP Server Port

Name	Value
Displayed name	SFTP Server Port
OSS name	sFtpServerPort
Type	INT
Default	22
Tab|Panel	General|SFTP Setting

Table 183-32 SFTP User ID

Name	Value
Displayed name	SFTP User ID
OSS name	sftpUser
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|MPR Based Setting|SFTP Settings

Table 183-33 SFTP User ID

Name	Value
Displayed name	SFTP User ID
OSS name	sftpUser
Type	STRING
Minimum	0
Maximum	255
Tab|Panel	General|SFTP Setting

Table 183-34 Software Download

Name	Value
Displayed name	Software Download
OSS name	fileTxOnly
Type	BOOL
Default	true

(1 of 2)

Explanation:

Name	Value
Tab|Panel	General|SR Based Setting
Description	Indicates whether the 5620SAM server shall download image to the NEs, as a part of the mediation.SoftwareFolderDescriptor.upgrade() or mediation.SoftwareFolderDescriptor.scheduleUpgrade() or mediation.SoftwareFolderDescriptor.activateImage() actions.

(2 of 2)

Table 183-35 Software Upgrade Options

Name	Value
Displayed name	Software Upgrade Options
OSS name	autoRebootType
Type	mediation.AutoRebootTypes
Default	None
Tab|Panel	General|SR Based Setting
Description	Indicates whether 5620 SAM server shall activate the selected software on the node, followed by a system-wide reboot or system-wide reboot with firmware upgrade, (supported only on 7210 SAS and 7705 SAR family) or perform ISSU (In Service Software Upgrade), after a successful activation. Note: This attribute must be set to "none" , if mediation.SoftwareUpgradePolicy.isAutoReboot is set to false.
Enumerated types	
Activate and Reboot	
Activate and Reboot with Firmware Upgrade	
ISSU (In Service Software Upgrade)	
None	

Table 183-36 Time To Wait Before Fallback To Previous Software Version

Name	Value
Displayed name	Time To Wait Before Fallback To Previous Software Version
OSS name	timerToWaitForFallbackToPreviousSWversion
Type	INT
Minimum	0
Maximum	120
Default	30
Units	min
Tab|Panel	General|eNodeB Based Setting

(1 of 2)

Name	Value
Description	This parameter is used to specify the timer (minutes) to wait for eNodeB performing a full fallback to the previous SW version when eNodeB failed to use new (updated) version. OMC can also use this parameter to detect network problems and re-configure eNodeB. The value 0 is used to turn off the SW fallback functionality. The supported timer range is 30 .. 120 min. The default value is 30 min

(2 of 2)

Table 183-37 Transfer Protocol

Name	Value
Displayed name	Transfer Protocol
OSS name	ftpType
Type	mediation.FtpType
Default	FTP
Tab|Panel	General|eNodeB Based Setting
Enumerated types	
FTP	
SFTP	
TFTP	

Table 183-38 Transfer Protocol

Name	Value
Displayed name	Transfer Protocol
OSS name	ftpType
Type	mediation.FtpType
Default	FTP
Tab|Panel	General|MPR Based Setting
Enumerated types	
FTP	
SFTP	
TFTP	

Table 183-39 Transfer Protocol

Name	Value
Displayed name	Transfer Protocol

(1 of 2)

Name	Value
OSS name	ftpType
Type	mediation.FtpType
Default	FTP
Tab|Panel	General|PSS Based Setting
Enumerated types	
FTP	
SFTP	
TFTP	

(2 of 2)

Table 183-40 Upgrade File Type

Name	Value
Displayed name	Upgrade File Type
OSS name	upgradeBootFiles
Type	mediation.AOSFilesType
Default	Image and Boot Files
Tab|Panel	General|AOS Based Setting
Description	Indicates whether this software upgrade shall download types of files to AOS switch.
Enumerated types	
Image and Boot Files	
Boot Files Only	
Image Files Only	

Table 183-41 Use Active Server

Name	Value
Displayed name	Use Active Server
OSS name	useActiveServer
Type	BOOL
Default	true
Tab|Panel	General|PSS Based Setting

184 —Source Port

Table 184-1 Source Port parameters

Parameters	
Customer ID	Port ID
Customer Name	Service ID
Enable Egress	Service Name
Enable Ingress	Site ID
Port	Site Name

Table 184-2 Customer ID

Name	Value
Displayed name	Customer ID
OSS name	subscriberId
Type	LONG
Default	1
Read-only	yes
Tab|Panel	General|Customer

Table 184-3 Customer Name

Name	Value
Displayed name	Customer Name
OSS name	subscriberName
Type	STRING
Maximum	32
Read-only	yes
Tab|Panel	General|Customer

Table 184-4 Enable Egress

Name	Value
Displayed name	Enable Egress
OSS name	egressEnabled
Type	generic.TruthValue
Tab|Panel	General|General

Table 184-5 Enable Ingress

Name	Value
Displayed name	Enable Ingress
OSS name	ingressEnabled
Type	generic.TruthValue
Tab|Panel	General|General

Table 184-6 Port

Name	Value
Displayed name	Port
OSS name	portName
Type	STRING
Maximum	252
Mandatory on creation	yes
Tab|Panel	General|General

Table 184-7 Port ID

Name	Value
Displayed name	Port ID
OSS name	portId
Type	LONG
Read-only	yes
Tab|Panel	General|General

Table 184-8 Service ID

Name	Value
Displayed name	Service ID
OSS name	serviceId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Service

Table 184-9 Service Name

Name	Value
Displayed name	Service Name
OSS name	serviceName
Type	STRING
Minimum	0
Maximum	32
Read-only	yes
Tab|Panel	General|Service

Table 184-10 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING

(1 of 2)

Name	Value
Maximum	60
Read-only	yes
Tab|Panel	General|Site

(2 of 2)

Table 184-11 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

185 —Split Horizon Group

Table 185-1 Split Horizon Group parameters

Parameters	
Description	Name

Table 185-2 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|Split Horizon Group

Table 185-3 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING

(1 of 2)

Name	Value
Minimum	1
Maximum	32
Mandatory on creation	yes
Tab|Panel	General|Split Horizon Group

(2 of 2)

186 —Static Route

Table 186-1 Static Route parameters

Parameters	
Administrative State	IP Address
Aggregator ID	IPSec Tunnel
BFD Enabled	Log
BFD Operational State	Metric
BFD State	Multicast Capable Peers
Community	Operational State
Description	Packet Size
Destination	Preference
Disallow IGP	Prefix Length
Drop Count	Prefix List Flag
Dynamic BGP	Prefix List Name
Edge ID	Redistribute
Enable CPE Check	Routing Instance ID
Enable LDP Sync Timer	Routing Instance Name
Forwarding Class Name	Site ID
Forwarding Class Priority	Static Route ID
Generate ICMP	Tag
ID on the Node	Target IP Address
IGP Shortcut	Type
Interface	Validate Next Hop
Interval	Zone Index

Table 186-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	netw.AdministrativeState
Default	Up
Tab|Panel	General|Other
Enumerated types	
Down	
Up	
Unknown	
Inherit	
Not Operational	
Testing	
N/A	
Noop	

Table 186-3 Aggregator ID

Name	Value
Displayed name	Aggregator ID
OSS name	aggregatorId
Type	STRING
Maximum	50
Tab|Panel	General|General
Description	aggregator ID that this static route goes from/to

Table 186-4 BFD Enabled

Name	Value
Displayed name	BFD Enabled
OSS name	bfdEnabled
Type	BOOL
Default	false
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	specifies whether Bi-directional Forwarding Detection is enabled in this interface. When the value is 'true', this interface can establish BFD sessions and use BFD as a signalling mechanism. When it is 'false', it cannot use BFD.

(2 of 2)

Table 186-5 BFD Operational State

Name	Value
Displayed name	BFD Operational State
OSS name	bfdOperationalState
Type	INT
Default	0
Tab|Panel	General|Other
Description	operational state of the BFD session

Table 186-6 BFD State

Name	Value
Displayed name	BFD State
OSS name	bfdState
Type	rtr.BfdSessionState
Default	-1
Tab|Panel	General|Other
Description	state of the BFD session
Enumerated types	
Administrative Down	
Down	
Initialization	
N/A	
Up	

Table 186-7 Community

Name	Value
Displayed name	Community
OSS name	community
Type	STRING

(1 of 2)

Name	Value
Minimum	0
Maximum	72
Tab|Panel	General|General
Description	The Community parameter specifies a route policy community ID for the static or aggregated route. A route policy uses the community value to control the distribution of the route into other protocols. BGP uses the community value to control the distribution of this route into other routers. Only one community can be associated with an aggregate or static route. The parameter is defined as an ID string or a well-known standard community. The format for an ID string is [2-byte-AS-number]:[2-byte-decimal-number]. For example, 100:30 is a valid ID string. The permitted well-known standard communities are no-export, no-export-subconfed, no-advertise, and null.

(2 of 2)

Table 186-8 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 186-9 Destination

Name	Value
Displayed name	Destination
OSS name	destination
Type	INETADDR
Mandatory on creation	yes
Tab|Panel	General|Destination

Table 186-10 Disallow IGP

Name	Value
Displayed name	Disallow IGP
OSS name	disallowIGP
Type	generic.TruthValue

(1 of 2)

Name	Value
Tab|Panel	General|IGP Shortcut

(2 of 2)

Table 186-11 Drop Count

Name	Value
Displayed name	Drop Count
OSS name	cpeDropCount
Type	INT
Minimum	1
Maximum	255
Default	3
Tab|Panel	General|CPE Check
Description	The number of consecutive ping-replies that must be missed before concluding the CPE is down. If the CPE is determined to be down, the associated static route will be deactivated.

Table 186-12 Dynamic BGP

Name	Value
Displayed name	Dynamic BGP
OSS name	enableDynamicBgp
Type	BOOL
Default	false
Tab|Panel	General|Destination
Description	The Dynamic BGP parameter specifies whether dynamic BGP route selection is enabled. When the parameter is enabled, the black hole static route dynamically derives its next hop from the best BGP route with the same IP prefix.

Table 186-13 Edge ID

Name	Value
Displayed name	Edge ID
OSS name	edgeId
Type	STRING
Maximum	50
Tab|Panel	General|General

(1 of 2)

Name	Value
Description	edge ID that this static route goes from/to

(2 of 2)

Table 186-14 Enable CPE Check

Name	Value
Displayed name	Enable CPE Check
OSS name	enableCpe
Type	BOOL
Default	false
Tab|Panel	General|CPE Check
Description	SAM internal use only.

Table 186-15 Enable LDP Sync Timer

Name	Value
Displayed name	Enable LDP Sync Timer
OSS name	enableLdpSyncTimer
Type	BOOL
Default	false
Tab|Panel	General|General
Description	If the value of enableLdpSyncTimer is true, this static route will not enable the preferred route immediately after the interface to the next-hop comes up but will wait for the LDP adjacency on the link to come up and start the ldp sync timer. On timer expiration, routing will enable the static route.

Table 186-16 Forwarding Class Name

Name	Value
Displayed name	Forwarding Class Name
OSS name	fcName
Type	rtr.FcEnum
Tab|Panel	General|General
Description	The forwarding class associated to the static route.
Enumerated types	
af	
be	

(1 of 2)

Name	Value
ef	
h1	
h2	
l1	
l2	
nc	

(2 of 2)

Table 186-17 Forwarding Class Priority

Name	Value
Displayed name	Forwarding Class Priority
OSS name	fcPriority
Type	INT
Default	undefined
Tab|Panel	General|General
Description	The Priority assigned to the static route

Table 186-18 Generate ICMP

Name	Value
Displayed name	Generate ICMP
OSS name	generateIcmp
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	General|Destination

Table 186-19 ID on the Node

Name	Value
Displayed name	ID on the Node
OSS name	snmpId
Type	LONG
Default	0
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|General
Description	The SNMP mib index id on the applicable nodes.

(2 of 2)

Table 186-20 IGP Shortcut

Name	Value
Displayed name	IGP Shortcut
OSS name	igpShortcut
Type	rtr.IgpShortcut
Default	Unused
Tab|Panel	General|IGP Shortcut
Enumerated types	
LDP	
RSVP-TE	
Unused	

Table 186-21 Interface

Name	Value
Displayed name	Interface
OSS name	interfaceName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Destination

Table 186-22 Interval

Name	Value
Displayed name	Interval
OSS name	cpeInterval
Type	INT
Minimum	1
Maximum	255
Default	1

(1 of 2)

Name	Value
Units	seconds
Tab|Panel	General|CPE Check
Description	The interval, in seconds, between ICMP pings to the target CPE IP address.

(2 of 2)

Table 186-23 IP Address

Name	Value
Displayed name	IP Address
OSS name	targetIpAddress
Type	INETADDR
Default	0.0.0.0
Mandatory on creation	yes
Tab|Panel	General|Destination

Table 186-24 IPSec Tunnel

Name	Value
Displayed name	IPSec Tunnel
OSS name	tunnelName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Destination

Table 186-25 Log

Name	Value
Displayed name	Log
OSS name	cpeEnableLog
Type	BOOL
Default	false
Tab|Panel	General|CPE Check
Description	It specifies whether to enable the logging of transitions between active and in-active based on the CPE connectivity check.

Table 186-26 Metric

Name	Value
Displayed name	Metric
OSS name	metric
Type	INT
Minimum	0
Maximum	65535
Default	1
Tab|Panel	General|Other

Table 186-27 Multicast Capable Peers

Name	Value
Displayed name	Multicast Capable Peers
OSS name	multicastCapablePeers
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	General|Destination

Table 186-28 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	INT
Default	inactive
Read-only	yes
Tab|Panel	General|Other

Table 186-29 Packet Size

Name	Value
Displayed name	Packet Size
OSS name	paddingSize

(1 of 2)

Name	Value
Type	INT
Minimum	0
Maximum	16384
Default	56
Tab|Panel	General|CPE Check
Description	specifies the padding size for the ICMP ping test packet. vRtrInetStaticRoutePaddingSize is valid if the value of vRtrInetStaticRouteCpeAddr is non-empty. This option only applies to IPv4 static routes.

(2 of 2)

Table 186-30 Preference

Name	Value
Displayed name	Preference
OSS name	preference
Type	INT
Minimum	1
Maximum	255
Default	5
Tab|Panel	General|Other

Table 186-31 Prefix Length

Name	Value
Displayed name	Prefix Length
OSS name	prefixLength
Type	INT
Minimum	0
Maximum	128
Default	24
Mandatory on creation	yes
Tab|Panel	General|Destination

Table 186-32 Prefix List Flag

Name	Value
Displayed name	Prefix List Flag

(1 of 2)

Name	Value
OSS name	prefixListFlag
Type	rtr.PrefixListFlag
Default	Any
Tab|Panel	General|Prefix List
Description	Whether to match any, all or none of the entries in the prefix list.
Enumerated types	
All	
Any	
None	

(2 of 2)

Table 186-33 Prefix List Name

Name	Value
Displayed name	Prefix List Name
OSS name	prefixListName
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	General|Prefix List
Description	The Prefix List name for conditional routes.

Table 186-34 Redistribute

Name	Value
Displayed name	Redistribute
OSS name	redistribute
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	General|Other
Description	IP static route with redistribution (true/false)

Table 186-35 Routing Instance ID

Name	Value
Displayed name	Routing Instance ID
OSS name	routingInstance
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General

Table 186-36 Routing Instance Name

Name	Value
Displayed name	Routing Instance Name
OSS name	routingInstanceName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 186-37 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|General

Table 186-38 Static Route ID

Name	Value
Displayed name	Static Route ID
OSS name	id
Type	LONG

(1 of 2)

Name	Value
Minimum	1
Maximum	2147483647
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

(2 of 2)

Table 186-39 Tag

Name	Value
Displayed name	Tag
OSS name	staticRouteTag
Type	LONG
Minimum	0
Maximum	4294967295
Default	0
Tab|Panel	General|Other

Table 186-40 Target IP Address

Name	Value
Displayed name	Target IP Address
OSS name	cpeAddress
Type	INETADDR
Default	0.0.0.0
Tab|Panel	General|CPE Check
Description	The IP address of the target CPE device. When this object is configured, ICMP pings will be sent to this target IP address to determine CPE connectivity and whether this static route should be active.

Table 186-41 Type

Name	Value
Displayed name	Type
OSS name	type
Type	INT
Default	nextHop

(1 of 2)

Name	Value
Mandatory on creation	yes
Tab|Panel	General|Destination

(2 of 2)

Table 186-42 Validate Next Hop

Name	Value
Displayed name	Validate Next Hop
OSS name	validateNexthop
Type	BOOL
Default	false
Tab|Panel	General|Destination
Description	The validate Next-hop specifies whether or not to track the state of the next-hop in the IPV4 ARP Cache or the IPv6 Neighbor Cache. When validateNexthop is set to 'true', the next-hop is checked for reachability in the IPV4 ARP Cache or the IPV6 Neighbor Cache. The object is only supported for directly connected next-hops.

Table 186-43 Zone Index

Name	Value
Displayed name	Zone Index
OSS name	targetIpAddressZoneIndexPointer
Type	STRING
Maximum	252
Mandatory on creation	yes
Tab|Panel	General|Destination
Description	Meaningful only for ipv6z addresses.

187 —Subscriber Site

Table 187-1 Subscriber Site parameters

Parameters	
Customer ID	Site Name
Customer Name	Site Name
Site ID	Switch Name
Site ID	

Table 187-2 Customer ID

Name	Value
Displayed name	Customer ID
OSS name	subscriberId
Type	LONG
Maximum	2147483647
Default	1
Read-only	yes
Tab|Panel	General|Customer

Table 187-3 Customer Name

Name	Value
Displayed name	Customer Name
OSS name	subscriberName
Type	STRING
Maximum	32
Read-only	yes
Tab|Panel	General|Customer

Table 187-4 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Default	0.0.0.0
Read-only	yes
Tab|Panel	General|Site

Table 187-5 Site ID

Name	Value
Displayed name	Site ID
OSS name	subscriberSiteId
Type	INETADDR
Default	0.0.0.0
Mandatory on creation	yes
Tab|Panel	General|General

Table 187-6 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName

(1 of 2)

Name	Value
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

(2 of 2)

Table 187-7 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 187-8 Switch Name

Name	Value
Displayed name	Switch Name
OSS name	ethernetSwitchCardPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|General
Description	On 1830 PSS nodes, new cards like 11QPE24 supports E-LAN (VPLS) and later E-Line (VLL); other cards will follow. All of these cards support the SR-OS object model and behave similar to 7210 nodes. This object represents a customer object on a given a site and a given card. This attribute is a pointer to the card model object.

188 —Switch Fabric Processor

Table 188-1 Switch Fabric Processor parameters

Parameters	
Administrative State	Manufacturing Variant
Background Diagnostics Fault Reason	Operational State
Background Diagnostics State	Part Number
Chassis ID	Serial Number
CLEI Code	Site ID
Hardware Class	Site ID
Manufacture Date	Site Name
Manufacturer	Site Name
Manufacturing Assembly No	Slot Number
Manufacturing Deviations	

Table 188-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	equipment.AdministrativeState
Default	Unknown
Tab|Panel	General|Equipment
Enumerated types	
Diagnose	

(1 of 2)

Name	Value
Up	
Locked	
Maintenance	
Unknown	
Not Relevant	
Operate Switch	
Down	
Shutting Down	
Unlocked	

(2 of 2)

Table 188-3 Background Diagnostics Fault Reason

Name	Value
Displayed name	Background Diagnostics Fault Reason
OSS name	backgroundDiagnosticsFaultReason
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 188-4 Background Diagnostics State

Name	Value
Displayed name	Background Diagnostics State
OSS name	backgroundDiagnosticsState
Type	equipment.BackgroundDiagnosticsStateType
Default	Unknown
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
Critical Fault Detected	
Fault Detected	
N/A	
Ok	
Unknown	

Table 188-5 Chassis ID

Name	Value
Displayed name	Chassis ID
OSS name	shelfId
Type	INT
Default	0
Read-only	yes
Tab|Panel	General|General

Table 188-6 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING
Minimum	0
Maximum	16
Read-only	yes
Tab|Panel	General|Equipment Location Codes

Table 188-7 Hardware Class

Name	Value
Displayed name	Hardware Class
OSS name	hardwareClass
Type	equipment.HardwareClassType
Default	no
Read-only	yes
Tab|Panel	General|Manufacturer Details
Enumerated types	
External Alarm Input	
Fam	
N/A	

Table 188-8 Manufacture Date

Name	Value
Displayed name	Manufacture Date
OSS name	manufactureDate
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 188-9 Manufacturer

Name	Value
Displayed name	Manufacturer
OSS name	manufacturer
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 188-10 Manufacturing Assembly No

Name	Value
Displayed name	Manufacturing Assembly No
OSS name	manufacturingAssemblyNo
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 188-11 Manufacturing Deviations

Name	Value
Displayed name	Manufacturing Deviations
OSS name	manufacturingDeviations
Type	STRING
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 188-12 Manufacturing Variant

Name	Value
Displayed name	Manufacturing Variant
OSS name	manufacturingVariant
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 188-13 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	equipment.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	General|Equipment
Enumerated types	
Booting	
Diagnosing	
Disabled	
Downgrade	
Empty	
Enabled	
Failed	
Up	
In Service Downgrade	
In Service Upgrade	
Not Relevant	
Down	
Not Present	
Unknown	

(1 of 2)

Name	Value
Provisioned	
Reserved	
Reset Pending	
Shutting Down	
Soft Reset	
Testing	
Transition	
Unprovisioned	
Upgrade	

(2 of 2)

Table 188-14 Part Number

Name	Value
Displayed name	Part Number
OSS name	manufacturerBoardNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 188-15 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	serialNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 188-16 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId

(1 of 2)

Name	Value
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Equipment

(2 of 2)

Table 188-17 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|General

Table 188-18 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Equipment

Table 188-19 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 188-20 Slot Number

Name	Value
Displayed name	Slot Number
OSS name	slotId
Type	INT
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

189 —Sync Alarm Profile

Table 189-1 Sync Alarm Profile parameters

Parameters	
Category Condition Default Severity	Direction Override Severity

Table 189-2 Category

Name	Value
Displayed name	Category
OSS name	alarmEntityType
Type	optical.TrapEntityType
Mandatory on creation	yes
Tab|Panel	General|General
Description	The trap entity type
Enumerated types	
ALL	
BITS	
CBR10G3	
CBR2G5	
CBRAR	

(1 of 6)

Name	Value
COM	
CPDPR	
CPLMP	
CPNEIGHBOR	
CPRSVP	
DBLINK	
DDR	
E1	
ENV	
EQPT	
FC10G	
FC16G	
FC100	
FC200	
FC400	
FC800	
FE	
40GBE	
1GBE	
GMRENODE	
100GBE	
LAG	
LINEREF	
LOG	
LOODU	
LSP	
MEP	
NETIF	
OC12/STM4	
OC192/STM64	
OC3/STM1	
OC48/STM16	
OC768/STM256	
OCH	
ODU0	
ODU0TCM	
ODU1	

(2 of 6)

Name	Value
ODU1F	
ODU1FTCM	
ODU1ODU0	
ODU1ODU0TCM	
ODU1PTF	
ODU1TCM	
ODU2	
ODU2E	
ODU2EODU0	
ODU2EODU0TCM	
ODU2EODU1	
ODU2EODU1TCM	
ODU2EODUF	
ODU2EODUFTCM	
ODU2ETCM	
ODU2ODU0	
ODU2ODU0TCM	
ODU2ODU1	
ODU2ODU1TCM	
ODU2ODUF	
ODU2ODUFTCM	
ODU2TCM	
ODU3	
ODU3E	
ODU3E2	
ODU3E2ODU0	
ODU3E2ODU0TCM	
ODU3E2ODU1	
ODU3E2ODU1TCM	
ODU3E2ODU2	
ODU3E2ODU2E	
ODU3E2ODU2ETCM	
ODU3E2ODU2TCM	
ODU3E2ODUF	
ODU3E2ODUFTCM	
ODU3E2TCM	
ODU3EODU0	

(3 of 6)

Name	Value
ODU3EODU0TCM	
ODU3EODU1	
ODU3EODU1TCM	
ODU3EODU2	
ODU3EODU2E	
ODU3EODU2ETCM	
ODU3EODU2TCM	
ODU3EODUF	
ODU3EODUFTCM	
ODU3ETCM	
ODU3ODU0	
ODU3ODU0TCM	
ODU3ODU1	
ODU3ODU1TCM	
ODU3ODU2	
ODU3ODU2E	
ODU3ODU2ETCM	
ODU3ODU2TCM	
ODU3ODUF	
ODU3ODUFTCM	
ODU3TCM	
ODU4	
ODU4ODU0	
ODU4ODU0TCM	
ODU4ODU1	
ODU4ODU1F	
ODU4ODU1FTCM	
ODU4ODU1TCM	
ODU4ODU2	
ODU4ODU2E	
ODU4ODU2ETCM	
ODU4ODU2TCM	
ODU4ODU3	
ODU4ODU3E	
ODU4ODU3E2	
ODU4ODU3E2TCM	
ODU4ODU3ETCM	

(4 of 6)

Name	Value
ODU4ODU3TCM	
ODU4ODUF	
ODU4ODUFTCM	
ODU4TCM	
ODUF	
ODUFTCM	
OFA	
OMS	
OPTSG	
OTNFAC	
OTS	
OTU	
OTU0	
OTU1	
OTU1F	
OTU2	
OTU2E	
OTU3	
OTU3E	
OTU3E2	
OTU4	
OTUODU0	
OTUODU0TCM	
OTUODU1	
OTUODU1F	
OTUOODU1FTCM	
OTUODU1TCM	
OTUODU2	
OTUODU2E	
OTUODU2ETCM	
OTUODU2TCM	
OTUODU3	
OTUODU3E	
OTUODU3E2	
OTUODU3E2TCM	
OTUODU3ETCM	
OTUODU3TCM	

(5 of 6)

Name	Value
OTUODU4	
OTUODU4TCM	
PLK	
PM	
PTPCLOCK	
PTPPORT	
RMD	
RMDCESCHNNEL	
RMDIF	
RMDIFMAU	
RMDMEP	
RMDNIM	
SCLOCK	
SDR	
SESSION	
SRERP	
SRMEP	
SROAMSAACTL	
SRSAP	
SRSVC	
SYNC	
TELINK	
10GBE	
TIMING	
TOD	
TRU	
VTS	

(6 of 6)

Table 189-3 Condition

Name	Value
Displayed name	Condition
OSS name	alarmCondition
Type	optical.TrapCondition
Mandatory on creation	yes
Tab|Panel	General|General

(1 of 32)

Name	Value
Description	The trap condition
Enumerated types	
aesFipsFailure	
aisLM	
aisLmsAis	
aisPauAis	
aisTcm	
alienEgrLOS	
allChanMiss	
allChanMissOut	
almRSync	
almRSyncEnd	
ampDisabled	
ampEol	
ANNOUNCELOSS	
apeInProgress	
aprInvalidTopo	
aprLine	
aprNode	
aprOsc	
aprSwitch	
aprUnavail	
aprUnavailOsc	
apsB	
apsCm	
apsMm	
apsNoRed	
arcIND	
asonTopo	
auAisP	
auLopP	
authFail	
autoReset	
autoSwTimRef	
autoSwTimRefT4	
autoSyncSw	
b1Sd	

(2 of 32)

Name	Value
backupUnavail	
backwardDefectIndicationEgress	
baseline	
bdi	
bdiOdu	
bdiOduOut	
bdiTcm	
binsRolled	
bitsAIS	
bitsLof	
bitsLos	
bitsMAN	
bkupCom	
boardEqpt	
brkTrip	
capBufr	
cardBoot	
cardIdRcvd	
cardInBoot	
cardInit	
cardInitBcm	
cardInitFail	
cardInitNonBcm	
cardNotAllowed	
cardSanity	
cbr10G3RxLOS	
cbr10G3RxLSS	
ccActChg	
cfCapacityWarning	
cfmAisEvnt	
cfmDmTestComplete	
cfmFltEvnt	
cfmLbmTestComplete	
cfmLmTestComplete	
cfmLtmTestComplete	
cfmSlmTestComplete	
change	

(3 of 32)

Name	Value
channelViolation	
chkBkplane	
ckm	
clearAllTcas	
colorViolation	
comm	
commDeg	
commDown	
configFail	
contBus	
contCom	
contComm	
contEqpt	
contEqptSplit	
contr	
contrDup	
contrenDgr	
contrenFail	
contrOut	
cpuPerformance	
crdInit	
crTca	
csf	
csfGfp	
CSFGFPOUT	
csfOduEgr	
csfOduOut	
dataErr	
dataFlt	
dbErr	
dbFl	
dbFt	
dbFull	
dbInvalid	
dbMemTrf	
dbUnsync	
dcConfigFail	

(4 of 32)

Name	Value
deg	
degOtu	
degOut	
degTcm	
DELAYRESLOSS	
dormantUser	
dwAis	
dwLof	
dwLom	
dwSd	
dwSf	
e1AisEgr	
e1AisL	
e1Lof	
e1LofEgr	
e1Los	
e1NoCrc4M	
e1NoCRC4MEgr	
e1Rai	
e1RaiEgr	
ebero	
egressSSF	
envInput1Active	
envInput2Active	
envInput3Active	
envInput4Active	
envInput5Active	
envInput6Active	
envInput7Active	
envInput8Active	
eptUploadErr	
eqpt	
eqptCrypto	
eqptDgr	
eqptDgrMon	
eqptDgrOch	
eqptDgrOchOut	

(5 of 32)

Name	Value
eqptDgrOut	
eqptPort	
erpFwdStateChng	
escLatchFail	
esm	
ethCSF	
ethRingPathProvMismatch	
etrMismatch	
etrMismatchMod	
excessLoad	
excessLoss	
facServ	
facTerm	
facTermDev	
facTermDgr	
fan32HRqd	
fanSpeed	
fanSpeedHigh	
fanSpeedLow	
fanSpeedMan	
farEndLos	
faulty	
fdi	
fdiClt	
feAls	
feasibilityViolation	
fecEcSd	
fecFail	
fecUbcSd	
feFlt	
feLfi	
feLos	
feLss	
fePortMismatch	
fePrLf	
feRfi	
fipsFailure	

(6 of 32)

Name	Value
fipsSwMismatch	
flt	
fpgaFail	
fpgaInit	
FPGAINIT1	
FPGAINIT10	
FPGAINIT2	
FPGAINIT3	
FPGAINIT4	
FPGAINIT5	
FPGAINIT6	
FPGAINIT7	
FPGAINIT8	
FPGAINIT9	
FPGAPRELOAD	
fpgaTimeout	
frcdSwTimRef	
frcdSwTimRefT4	
frcdWkSwBk	
frcdWkSwBkVTS1	
frcdWkSwBkVTS10	
frcdWkSwBkVTS2	
frcdWkSwBkVTS3	
frcdWkSwBkVTS4	
frcdWkSwBkVTS5	
frcdWkSwBkVTS6	
frcdWkSwBkVTS7	
frcdWkSwBkVTS8	
frcdWkSwBkVTS9	
frcdWkSwPr	
frcdWkSwPrVTS1	
frcdWkSwPrVTS10	
frcdWkSwPrVTS2	
frcdWkSwPrVTS3	
frcdWkSwPrVTS4	
frcdWkSwPrVTS5	
frcdWkSwPrVTS6	

(7 of 32)

Name	Value
frcdWkSwPrVTS7	
frcdWkSwPrVTS8	
frcdWkSwPrVTS9	
frngSync	
fwPendingObsolete	
fwUpgradePending	
fwVersionNotDefault	
gfpLof	
GFPLOFOUT	
gfpSsf	
gfpUpm	
hdFail	
hdFull	
hiBer	
highGain	
hldOvrSync	
hpPlmP	
hpRdiP	
hpUneqP	
hwRevisionNotSupported	
igmpSnpgSrcLimitExceed	
imageNotReady	
incompatFan	
inhMsgPmRept	
init	
inMigration	
int	
intErr	
intrusion	
intrusionEvt	
intSft	
intTemp	
intTempHigh	
intTempLow	
intTempOpt	
invalidEgress	
invalidThreshold	

(8 of 32)

Name	Value
invalidThresholdOms	
invalidThresholdOts	
invalidTopo	
inventoryError	
keyDomainErr	
lagDeg	
lagLos	
lagPortAddFailed	
lagSubGrpSelect	
lanLfi	
lanLol	
lanLos	
lanRfi	
lanSf	
laserBackFacetOptPwrTca	
laserCoolingCurTca	
laserEOL	
laserOffLpbk	
lck	
lckOut	
lckTcm	
ledState	
lfd	
lfiEgr	
linkDiviersity	
linkDown	
linkoamLoopDetected	
linkoamNonThresh	
linkoamPeerChng	
linkUp	
loam	
lockedIndicationEgress	
lockoutOfPr	
lockoutOfPrVTS1	
lockoutOfPrVTS10	
lockoutOfPrVTS2	
lockoutOfPrVTS3	

(9 of 32)

Name	Value
lockoutOfPrVTS4	
lockoutOfPrVTS5	
lockoutOfPrVTS6	
lockoutOfPrVTS7	
lockoutOfPrVTS8	
lockoutOfPrVTS9	
lockoutOfTimRef	
lockoutOfTimRefT4	
lockoutToPr	
lof	
lofEgr	
lofLom	
lofLomOut	
lofO	
loGain	
logBuf90SecuLog	
logBufOvfISecuLog	
lol	
lopPauLop	
los	
losDcm	
losEdfa	
losLdSig	
losO	
losOamp	
losOcm	
losOms	
losOOut	
losOts	
losOut	
losP	
losPId	
lossOfLock	
lostClock	
lotOut	
lpbkLine	
lpbkTerm	

(10 of 32)

Name	Value
IspFailedApe	
IspFailedPre	
IspFailedTp	
IspFailedUnprot	
IspFailedXc	
IsrOutDgr	
Iss	
IssEgr	
ItcTcm	
man	
manLR	
manReset	
manSwTimRef	
manSwTimRefT4	
manSwToInt	
manSwToPri	
manSwToSec	
manWkSwBk	
manWkSwBkVTS1	
manWkSwBkVTS10	
manWkSwBkVTS2	
manWkSwBkVTS3	
manWkSwBkVTS4	
manWkSwBkVTS5	
manWkSwBkVTS6	
manWkSwBkVTS7	
manWkSwBkVTS8	
manWkSwBkVTS9	
manWkSwPr	
manWkSwPrVTS1	
manWkSwPrVTS10	
manWkSwPrVTS2	
manWkSwPrVTS3	
manWkSwPrVTS4	
manWkSwPrVTS5	
manWkSwPrVTS6	
manWkSwPrVTS7	

(11 of 32)

Name	Value
manWkSwPrVTS8	
manWkSwPrVTS9	
mepAIS	
mepError	
mepLoc	
mepMacError	
mepMmg	
mepRemote	
mepXcon	
mirrorDestDisable	
mirrorDestEnable	
mirrorSrcDisable	
mirrorSrcEnable	
mismatch	
mismatchFiber	
mismatchSfpXfp	
missing	
mixedPFUsed	
mjTca	
mnTca	
mod	
modOutOOR	
msim	
mtcesurv	
mtcesurvDgr	
neAIs	
neFlt	
neModeMismatch	
net	
netCraft	
neUnreachable	
nkm	
nodeDeg	
notUsed1	
notUsed2	
notUsed3	
notUsed4	

(12 of 32)

Name	Value
ntpChkSig	
ntpClkAdj	
ntpLor	
ntpOoSync	
nunvComm	
nunvConfig	
nunvIndetermined	
nunvReversion	
nunvTpBlocked	
nunvTransmission	
nvMismatch	
oaPumpBiasCurrHigh	
oaPumpTempHigh	
objCreated	
objDeleted	
ochCollision	
ochCollisionOut	
ochFdi	
ochIntErr	
ochKeyDup	
ochKeyOverlap	
ochKeysReused	
ochKeyUnavail	
ochMissing	
ochPdi	
ochPwrUnstable	
ochTrailDup	
ochTrailUnknown	
ochUnknown	
ochUnknownOut	
oci	
ociOut	
ociTcm	
ocsAuditFail	
ocsAuditSuccess	
ocsDataFlt	
ocsDataRtrv	

(13 of 32)

Name	Value
ocsUnavail	
ocsUplinkDeleted	
oduAis	
oduAisEgress	
oduAisOut	
omsSSF	
openConnectionIndicationEgress	
opr	
oprIngress	
oprLossHigh	
oprLossLow	
oprOOR	
oprOut	
oprPwrHigh	
oprPwrLow	
oprTx	
oprUnachieve	
opticalParamErr	
optIntBase	
optIntDet	
optIntSusp	
oscSsf	
OSNRMESC	
ospfAdj	
otmcpf	
otuAis	
ovrId	
payloadTypeMismatchEgress	
pcsGeneratorActive	
pdi	
pdiPauPdi	
PGFPGAFAIL1	
PGFPGAFAIL2	
PGFPGAFAIL3	
PGFPGAFAIL4	
PGFPGAFAIL5	
PGFPGAINIT1	

(14 of 32)

Name	Value
PGFPGAINIT2	
PGFPGAINIT3	
PGFPGAINIT4	
PGFPGAINIT5	
pIm	
pImOduOut	
pImPauPIm	
ppsLos	
prcdrErr	
prcdrErrOut	
prcdrErrTopo	
prcdrErrTopoOut	
PTPFREERUN	
PTPGMDEGRADE	
PTPGMSWITCH	
PTPPATHSWITCH	
PTPPORTSWITCH	
PTPREFLOSS	
PTPREFUNSTABLE	
pwr	
pwrAdjComms	
pwrAdjFail	
pwrAdjFailAdd	
pwrAdjFailDrp	
pwrAdjReq	
pwrAdjReqAdd	
pwrAdjReqDrp	
pwrAImp	
pwrEdfaMargin	
pwrFan	
pwrMargin	
pwrMaxGain	
pwrMgtOff	
pwrSusp	
pwrSuspOut	
pwrTiltParams	
pwrTiltSusp	

(15 of 32)

Name	Value
pwrUnbalance	
pwrUnbalanceOms	
ramanSup	
rcvrOptProg	
rdi	
rdiL	
readyToRevert	
replUnitMiss	
replUnitMissMOD	
reRouted	
restorationDisabled	
rfi	
rfiEgr	
rfiLmsRfi	
rfiPauRfi	
rmdCesChannelLPL	
rmdCesChannelNoTdmPl	
rmdCesChannelRPL	
rmdDiscoveredDevice	
rmdDNR	
rmdEQF	
rmdIfEFMLOP	
rmdIfLOS	
rmdIfMauANM	
rmdIfMauEQF	
rmdIfMauLOS	
rmdIfMauUNI	
rmdIfMauWUP	
rmdJbRecentered	
rmdMepLOC	
rmdMepMMG	
rmdMepRDI	
rmdMepUNL	
rmdMepUNM	
rmdMepUNP	
rmdNDF	
rmdNimLOF	

(16 of 32)

Name	Value
rmdPWR	
rmdTypeMismatch	
rmdUnknownEcid	
rmdWDP	
rmdWrongDestMac	
routeNotPossible	
sapOperDown	
sapStateChng	
sapTlsMacAddrLimitAlarm	
sd	
sdegO	
seepScrub	
serverSignalFailureEgress	
sf	
sfMismatch	
sfpEOL	
sfpReceiverPwrOOR	
sfpTempOOR	
sfpTrmtPwrOOR	
sft	
shelfInVoltHigh	
shelfInVoltLow	
signalDegradeEgress	
SLCBOOTCONTCOM	
SLCCARDINIT	
SLCCLKSYNC	
SLCCONTCOM	
SLCDATAFLT	
SLCEQPTBOOT	
SLCMISMATCH	
SLCNOTINSERVICE	
slcr	
sltmSig	
spLoAdjFail	
srgDiviersity	
srTca	
ssf	

(17 of 32)

Name	Value
ssfCltEgr	
ssfOdu	
ssfOduOut	
ssfOduTp	
ssfOtu	
SSFSECTION	
SSFSECTIONOUT	
ssfTcm	
subNodeUnreachable	
svcOperDown	
svcStateChng	
svcTlsFwdTblFullAlarm	
svcTlsMfibTblFullAlarm	
swEqpt	
swftDwn	
swMtxMod	
swToSec	
swUpgCommit	
swUpgFail	
swUpgrade	
sync	
syncActRef	
syncClk	
syncClkFail	
syncClkFrng	
syncClkHldovr	
syncClkMode	
syncClkUnit	
syncCommand	
syncEqpt	
syncIfTimingHoldover	
syncIfTimingRef1Alarm	
syncIfTimingRef2Alarm	
SYNCLOSS	
syncMode	
syncOos	
syncOosT4	

(18 of 32)

Name	Value
syncRefFail	
syncRefUnEq	
syncStatChng	
syncSys	
syncSysOos	
syncT4Out	
sysBoot	
sysInit	
systemReady	
tBbeMs15Min	
tBbeMs1Day	
tBbeOdu15Min	
tBbeOdu15MinOut	
tBbeOdu1Day	
tBbeOdu1DayOut	
tBbeOtu15Min	
tBbeOtu1Day	
tBbeP15Min	
tBbeP1Day	
tBbePt15Min	
tBbePt1Day	
tBbeRs15Min	
tBbeRs1Day	
tBbeRst15Min	
tBbeRst1Day	
tBbeTcm15Min	
tBbeTcm1Day	
tBerPostFec15min	
tBerPostFec1day	
tBerPreFec15min	
tBerPreFec1day	
tBiaesOtu15Min	
tBiaesOtu1Day	
tBiaesTcm15Min	
tBiaesTcm1Day	
tcmAis	
tCv15Min	

(19 of 32)

Name	Value
tCv1Day	
tCvPcs15Min	
tCvPcs1Day	
tCvPcst15Min	
tCvPcst1Day	
tCvs15Min	
tCvs1Day	
tCvst15Min	
tCvst1Day	
termOc192stm64	
termOc312stm14	
termOc48stm16	
termOtu1	
termOtu2	
tEs15Min	
tEs1Day	
tEsL15Min	
tEsL1Day	
tEsMs15Min	
tEsMs1Day	
tEsOdu15Min	
tEsOdu15MinOut	
tEsOdu1Day	
tEsOdu1DayOut	
tEsOtu15Min	
tEsOtu1Day	
tEsP15Min	
tEsP1Day	
tEsPcs15Min	
tEsPcs1Day	
tEsPcst15Min	
tEsPcst1Day	
tEsPt15Min	
tEsPt1Day	
tEsRs15Min	
tEsRs1Day	
tEsRst15Min	

(20 of 32)

189 — Sync Alarm Profile

Name	Value
tEsRst1Day	
tEss15Min	
tEss1Day	
tEsst15Min	
tEsst1Day	
tEsTcm15Min	
tEsTcm1Day	
testMode	
tEthpkter15Min	
tEthpkter1Day	
tEthpktert15Min	
tEthpktert1Day	
tFebbeMs15Min	
tFebbeMs1Day	
tFebbeOdu15Min	
tFeBbeOdu15MinOut	
tFebbeOdu1Day	
tFeBbeOdu1DayOut	
tFebbeOtu15Min	
tFebbeOtu1Day	
tFebbeTcm15Min	
tFebbeTcm1Day	
tFecc15Min	
tFecc1Day	
tFecUbc15Min	
tFecUbc1Day	
tFecUbu15Min	
tFecUbu1Day	
tFeesMs15Min	
tFeesMs1Day	
tFeesOdu15Min	
tFeEsOdu15MinOut	
tFeesOdu1Day	
tFeEsOdu1DayOut	
tFeesOtu15Min	
tFeesOtu1Day	
tFeesTcm15Min	

(21 of 32)

Name	Value
tFeesTcm1Day	
tFesesMs15Min	
tFesesMs1Day	
tFesesOdu15Min	
tFeSesOdu15MinOut	
tFesesOdu1Day	
tFeSesOdu1DayOut	
tFesesOtu15Min	
tFesesOtu1Day	
tFesesTcm15Min	
tFesesTcm1Day	
tFeuasMs15Min	
tFeuasMs1Day	
tFeuasOdu15Min	
tFeUasOdu15MinOut	
tFeuasOdu1Day	
tFeUasOdu1DayOut	
tFeuasOtu15Min	
tFeuasOtu1Day	
tFeuasTcm15Min	
tFeuasTcm1Day	
tIaesOtu15Min	
tIaesOtu1Day	
tIaesTcm15Min	
tIaesTcm1Day	
tim	
timOdu	
timOduOut	
timTcm	
toDDEG	
toDLOS	
TODREFUNSTABLE	
tOprh15Min	
tOprh1Day	
tOprhLane1	
tOprhLane10	
tOprhLane2	

(22 of 32)

189 — *Sync Alarm Profile*

Name	Value
tOprhLane3	
tOprhLane4	
tOprhLane5	
tOprhLane6	
tOprhLane7	
tOprhLane8	
tOprhLane9	
tOprl15Min	
tOprl1Day	
tOprlLane1	
tOprlLane10	
tOprlLane2	
tOprlLane3	
tOprlLane4	
tOprlLane5	
tOprlLane6	
tOprlLane7	
tOprlLane8	
tOprlLane9	
tOpth15Min	
tOpth1Day	
tOpthLane1	
tOpthLane10	
tOpthLane2	
tOpthLane3	
tOpthLane4	
tOpthLane5	
tOpthLane6	
tOpthLane7	
tOpthLane8	
tOpthLane9	
tOptl15Min	
tOptl1Day	
tOptlLane1	
tOptlLane10	
tOptlLane2	
tOptlLane3	

(23 of 32)

Name	Value
tOptILane4	
tOptILane5	
tOptILane6	
tOptILane7	
tOptILane8	
tOptILane9	
tPmonDmaBfd15Min	
tPmonDmaBfd1Day	
tPmonDmaffd15Min	
tPmonDmaffd1Day	
tPmonDmafFdv15Min	
tPmonDmafFdv1Day	
tPmonDmanfd15Min	
tPmonDmanfd1Day	
tPmonDmanFdv15Min	
tPmonDmanFdv1Day	
tPmonDmxBfd15Min	
tPmonDmxBfd1Day	
tPmonDmxffd15Min	
tPmonDmxffd1Day	
tPmonDmxfFdv15Min	
tPmonDmxfFdv1Day	
tPmonDmxnfd15Min	
tPmonDmxnfd1Day	
tPmonDmxnFdv15Min	
tPmonDmxnFdv1Day	
tPmonLmaffIr15Min	
tPmonLmaffIr1Day	
tPmonLmanfIr15Min	
tPmonLmanfIr1Day	
tPmonLmfhIi15Min	
tPmonLmfhIi1Day	
tPmonLmnhIi15Min	
tPmonLmnhIi1Day	
tPmonLmxffIr15Min	
tPmonLmxffIr1Day	
tPmonLmxnfIr15Min	

(24 of 32)

Name	Value
tPmonLmxnfIr1Day	
tPmonPortHighCapacityOctets15Min	
tPmonPortHighCapacityOctets1Day	
tPmonPortHighCapacityPkts15Min	
tPmonPortHighCapacityPkts1Day	
tPmonPortIfInDiscards15Min	
tPmonPortIfInDiscards1Day	
tPmonPortIfInErrors15Min	
tPmonPortIfInErrors1Day	
tPmonPortIfInOctets15Min	
tPmonPortIfInOctets1Day	
tPmonPortIfInPackets	
tPmonPortIfInPackets15Min	
tPmonPortIfOutDiscards15Min	
tPmonPortIfOutDiscards1Day	
tPmonPortIfOutErrors15Min	
tPmonPortIfOutErrors1Day	
tPmonPortIfOutOctets15Min	
tPmonPortIfOutOctets1Day	
tPmonPortIfOutPackets15Min	
tPmonPortIfOutPackets1Day	
tPmonPortQueue1OctetsDropped15Min	
tPmonPortQueue1OctetsDropped1Day	
tPmonPortQueue1PktsDropped15Min	
tPmonPortQueue1PktsDropped1Day	
tPmonPortQueue2OctetsDropped15Min	
tPmonPortQueue2OctetsDropped1Day	
tPmonPortQueue2PktsDropped15Min	
tPmonPortQueue2PktsDropped1Day	
tPmonPortQueue3OctetsDropped15Min	
tPmonPortQueue3OctetsDropped1Day	
tPmonPortQueue3PktsDropped15Min	
tPmonPortQueue3PktsDropped1Day	
tPmonPortQueue4OctetsDropped15Min	
tPmonPortQueue4OctetsDropped1Day	
tPmonPortQueue4PktsDropped15Min	
tPmonPortQueue4PktsDropped1Day	

(25 of 32)

Name	Value
tPmonPortQueue5OctetsDropped15Min	
tPmonPortQueue5OctetsDropped1Day	
tPmonPortQueue5PktsDropped15Min	
tPmonPortQueue5PktsDropped1Day	
tPmonPortQueue6OctetsDropped15Min	
tPmonPortQueue6OctetsDropped1Day	
tPmonPortQueue6PktsDropped15Min	
tPmonPortQueue6PktsDropped1Day	
tPmonPortQueue7OctetsDropped15Min	
tPmonPortQueue7OctetsDropped1Day	
tPmonPortQueue7PktsDropped15Min	
tPmonPortQueue7PktsDropped1Day	
tPmonPortQueue8OctetsDropped15Min	
tPmonPortQueue8OctetsDropped1Day	
tPmonPortQueue8PktsDropped15Min	
tPmonPortQueue8PktsDropped1Day	
tPmonSapIngressOctetsDropped15Min	
tPmonSapIngressOctetsDropped1Day	
tPmonSapIngressPktsDropped15Min	
tPmonSapIngressPktsDropped1Day	
tPmonSImaffIr15Min	
tPmonSImafFIr1Day	
tPmonSImaffIrContinuous	
tPmonSImanfIr15Min	
tPmonSImanFIr1Day	
tPmonSImanfIrContinuous	
tPmonSImfhIi15Min	
tPmonSImfhIi1Day	
tPmonSImfhIiContinuous	
tPmonSImnhIi15Min	
tPmonSImnhIi1Day	
tPmonSImnhIiContinuous	
tPmonSImxfFIr1Day	
tPmonSImxffIrContinuous	
tPmonSImxnFIr1Day	
tPmonSImxnfIrContinuous	
tPostFec15Min	

(26 of 32)

Name	Value
tPostFec1Day	
tPreFec15Min	
tPreFec1Day	
trailTraceIdentifierMismatchEgress	
transferLogFL	
transferLogFT	
transferLogIP	
trmt	
trmtMOD	
TRUBRKROPEN	
tSefs15Min	
tSefs1Day	
tSefsPcs15Min	
tSefsPcs1Day	
tSefsPcst15Min	
tSefsPcst1Day	
tSefss15Min	
tSefss1Day	
tSefsst15Min	
tSefsst1Day	
tSes15Min	
tSes1Day	
tSesL15Min	
tSesL1Day	
tSesMs15Min	
tSesMs1Day	
tSesOdu15Min	
tSesOdu15MinOut	
tSesOdu1Day	
tSesOdu1DayOut	
tSesOtu15Min	
tSesOtu1Day	
tSesP15Min	
tSesP1Day	
tSesPcs15Min	
tSesPcs1Day	
tSesPcst15Min	

(27 of 32)

Name	Value
tSesPcst1Day	
tSesPt15Min	
tSesPt1Day	
tSesRs15Min	
tSesRs1Day	
tSesRst15Min	
tSesRst1Day	
tSess15Min	
tSess1Day	
tSesst15Min	
tSesst1Day	
tSesTcm15Min	
tSesTcm1Day	
tsMismatch	
tsMismatchOut	
tUasMs15Min	
tUasMs1Day	
tUasOdu15Min	
tUasOdu15MinOut	
tUasOdu1Day	
tUasOdu1DayOut	
tUasOtu15Min	
tUasOtu1Day	
tUasP15Min	
tUasP1Day	
tUasPt15Min	
tUasPt1Day	
tUasRs15Min	
tUasRs1Day	
tUasRst15Min	
tUasRst1Day	
tUasTcm15Min	
tUasTcm1Day	
unexWkSet	
unknown	
unknownNotif	
unknownSfpXfp	

(28 of 32)

Name	Value
unL	
unM	
unMOrUnP	
unP	
unPr	
upm	
uruOchLos	
uruOmsRx	
uruOmsTx	
uruOtsLos	
uruOtsRx	
uruOtsTx	
uruOtu	
uruS	
usAis	
usAIs	
userEqptMismatch	
usFlt	
usIdle	
usLos	
usOchCollision	
usSFEber	
vcgDown	
vcgLoa	
vcgMap	
vcgSsf	
vcMfi	
voltage	
voltageHigh	
voltageLow	
vtsConnCreation	
vtsFdi	
vtsFdi1	
vtsFdi10	
vtsFdi11	
vtsFdi12	
vtsFdi13	

(29 of 32)

Name	Value
vtsFdi14	
vtsFdi15	
vtsFdi16	
vtsFdi17	
vtsFdi18	
vtsFdi19	
vtsFdi2	
vtsFdi20	
vtsFdi21	
vtsFdi22	
vtsFdi23	
vtsFdi24	
vtsFdi25	
vtsFdi26	
vtsFdi27	
vtsFdi28	
vtsFdi29	
vtsFdi3	
vtsFdi30	
vtsFdi31	
vtsFdi32	
vtsFdi4	
vtsFdi5	
vtsFdi6	
vtsFdi7	
vtsFdi8	
vtsFdi9	
vtsOci	
vtsOci1	
vtsOci10	
vtsOci11	
vtsOci12	
vtsOci13	
vtsOci14	
vtsOci15	
vtsOci16	
vtsOci17	

(30 of 32)

Name	Value
vtsOci18	
vtsOci19	
vtsOci2	
vtsOci20	
vtsOci21	
vtsOci22	
vtsOci23	
vtsOci24	
vtsOci25	
vtsOci26	
vtsOci27	
vtsOci28	
vtsOci29	
vtsOci3	
vtsOci30	
vtsOci31	
vtsOci32	
vtsOci4	
vtsOci5	
vtsOci6	
vtsOci7	
vtsOci8	
vtsOci9	
warnTca	
wkSwBk	
wkSwPr	
wkSwPrVTS1	
wkSwPrVTS10	
wkSwPrVTS2	
wkSwPrVTS3	
wkSwPrVTS4	
wkSwPrVTS5	
wkSwPrVTS6	
wkSwPrVTS7	
wkSwPrVTS8	
wkSwPrVTS9	
wtocmaPoutRanOsnr	

(31 of 32)

Name	Value
wtr	

(32 of 32)

Table 189-4 Default Severity

Name	Value
Displayed name	Default Severity
OSS name	defaultSeverity
Type	optical.TrapCategory
Mandatory on creation	yes
Tab|Panel	General|General
Description	Default severity
Enumerated types	
Critical	
General Event	
Major	
Minor	
None	
Not Alarmed	
Not Reported	
Security	
State Change	
Unknown	
Warning	

Table 189-5 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	INT
Mandatory on creation	yes
Tab|Panel	General|General

Table 189-6 Override Severity

Name	Value
Displayed name	Override Severity
OSS name	severity
Type	optical.TrapCategory
Tab|Panel	General|General
Description	Override severity
Enumerated types	
Critical	
General Event	
Major	
Minor	
None	
Not Alarmed	
Not Reported	
Security	
State Change	
Unknown	
Warning	

190 —Target Power Offset

Table 190-1 Target Power Offset parameters

Parameters	
Absolute Target Power	Offset in Use
Applicable?	System Calculated Offset
Direction	User Offset
Frequency	

Table 190-2 Absolute Target Power

Name	Value
Displayed name	Absolute Target Power
OSS name	absTargetPower
Type	FLOAT
Minimum	-23
Maximum	11
Default	-99
Units	dB
Tab|Panel	General|General
Description	Absolute Target Power

Table 190-3 Applicable?

Name	Value
Displayed name	Applicable?
OSS name	applicable
Type	optical.Applicable
Tab|Panel	General|General
Description	Applicability
Enumerated types	
YES	
NO	

Table 190-4 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	optical.Direction
Mandatory on creation	yes
Tab|Panel	General|General
Description	The signal direction - Ingress (In) or Egress (Out).
Enumerated types	
In	
Out	

Table 190-5 Frequency

Name	Value
Displayed name	Frequency
OSS name	channel
Type	optical.ITUChannel
Default	8760
Mandatory on creation	yes
Tab|Panel	General|General
Description	The ITU channel.
Enumerated types	
1310	

(1 of 7)

Name	Value
1471	
1490	
1491	
1511	
1530	
1531	
1550	
1551	
1571	
1591	
1611	
1625	
850	
8650	
8655	
8660	
8665	
8670	
8675	
8680	
8685	
8690	
8695	
8700	
8705	
8710	
8715	
8720	
8725	
8730	
8735	
8740	
8745	
8750	
8755	
8760	
8765	

(2 of 7)

Name	Value
8770	
8775	
8780	
8785	
8790	
8795	
8800	
8805	
8810	
8815	
8820	
8825	
8830	
8835	
8840	
8845	
8850	
8855	
8860	
8865	
8870	
8875	
8880	
8885	
8890	
8895	
8900	
8905	
8910	
8915	
8920	
8925	
8930	
8935	
8940	
8945	
8950	

(3 of 7)

Name	Value
8955	
8960	
8965	
8970	
8975	
8980	
8985	
8990	
8995	
9000	
9005	
9010	
9015	
9020	
9025	
9030	
9035	
9040	
9045	
9050	
9055	
9060	
9065	
9070	
9075	
9080	
9085	
9090	
9095	
9100	
9105	
9110	
9115	
9120	
9125	
9130	
9135	

(4 of 7)

Name	Value
9140	
9145	
9150	
9155	
9160	
9165	
9170	
9175	
9180	
9185	
9190	
9195	
9200	
9205	
9210	
9215	
9220	
9225	
9230	
9235	
9240	
9245	
9250	
9255	
9260	
9265	
9270	
9275	
9280	
9285	
9290	
9295	
9300	
9305	
9310	
9315	
9320	

(5 of 7)

Name	Value
9325	
9330	
9335	
9340	
9345	
9350	
9355	
9360	
9365	
9370	
9375	
9380	
9385	
9390	
9395	
9400	
9405	
9410	
9415	
9420	
9425	
9430	
9435	
9440	
9445	
9450	
9455	
9460	
9465	
9470	
9475	
9480	
9485	
9490	
9495	
9500	
9505	

(6 of 7)

Name	Value
9510	
9515	
9520	
9525	
9530	
9535	
9540	
9545	
9550	
9555	
9560	
9565	
9570	
9575	
9580	
9585	
9590	
9595	
9600	
9605	
None	

(7 of 7)

Table 190-6 Offset in Use

Name	Value
Displayed name	Offset in Use
OSS name	offsetInUse
Type	FLOAT
Minimum	-3
Maximum	3
Default	0
Units	dB
Tab|Panel	General|General
Description	Used Offset

Table 190-7 System Calculated Offset

Name	Value
Displayed name	System Calculated Offset
OSS name	sysCalOffset
Type	FLOAT
Minimum	-3
Maximum	3
Default	0
Units	dB
Tab|Panel	General|General
Description	System Calculated Offset

Table 190-8 User Offset

Name	Value
Displayed name	User Offset
OSS name	userOffset
Type	FLOAT
Minimum	-3
Maximum	3
Default	-99
Units	dB
Tab|Panel	General|General
Description	User Offset

191 —TCA Profile Assignment

Table 191-1 TCA Profile Assignment parameters

Parameters	
Clear Bins Interval Number of Bins	Profile Type TCA Profile

Table 191-2 Clear Bins

Name	Value
Displayed name	Clear Bins
OSS name	clearBins
Type	optical.PerformCommand
Default	1
Tab|Panel	General|General
Description	This attribute is used to clear all the bins in an interval on a particular card and group.
Enumerated types	
Execute	
Execute with Force	
No Cmd	

Table 191-3 Interval

Name	Value
Displayed name	Interval
OSS name	interval
Type	optical.IntervalType
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The collection interval.
Enumerated types	
15 min Interval	
24 hour Interval	

Table 191-4 Number of Bins

Name	Value
Displayed name	Number of Bins
OSS name	noOfBins
Type	INT
Minimum	1
Maximum	33
Default	1
Tab|Panel	General|General
Description	The number of collection bins in the interval.

Table 191-5 Profile Type

Name	Value
Displayed name	Profile Type
OSS name	groupId
Type	netca.TCAProfileType
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	The group identifier.
Enumerated types	

(1 of 2)

Name	Value
Card	
CD	
DGD	
Digital Wrapper	
E1	
Ethernet	
FOFF	
Interface	
ODURX	
ODUTX	
OPIN	
OPOUT	
OPR	
OPT	
OPOCHIN	
OPOCHOUT	
OSNR	
OTU	
Physical Code Sublayer	
Port	
PreFEC Bits	
SAP	
SDH	
SONET	
Two Way DM	
Two Way SLM	

(2 of 2)

Table 191-6 TCA Profile

Name	Value
Displayed name	TCA Profile
OSS name	tcaProfilePointer
Type	POINTER
Tab|Panel	General|Select Profile
Description	TCA Profile.

192 —Technology Type

Table 192-1 Technology Type parameters

Parameters	
Bit Rate Description Bit Rate Key Encoding Description Encoding Key	OSNR Calibration WTOCMA Calibration WTOCM Calibration

Table 192-2 Bit Rate Description

Name	Value
Displayed name	Bit Rate Description
OSS name	bitRateText
Type	STRING
Minimum	0
Maximum	50
Tab|Panel	General|General
Description	Text description of BitRate.

Table 192-3 Bit Rate Key

Name	Value
Displayed name	Bit Rate Key
OSS name	bitRate
Type	INT
Minimum	1
Maximum	10000
Mandatory on creation	yes
Tab|Panel	General|General
Description	OTU Bit-Rate

Table 192-4 Encoding Description

Name	Value
Displayed name	Encoding Description
OSS name	encodingText
Type	STRING
Minimum	0
Maximum	50
Tab|Panel	General|General
Description	Text description of Encoding.

Table 192-5 Encoding Key

Name	Value
Displayed name	Encoding Key
OSS name	encoding
Type	INT
Minimum	1
Maximum	10000
Mandatory on creation	yes
Tab|Panel	General|General
Description	Signal modulation format.

Table 192-6 OSNR Calibration

Name	Value
Displayed name	OSNR Calibration
OSS name	osnrCalib
Type	FLOAT
Minimum	-5
Maximum	5
Units	dB
Tab|Panel	General|General
Description	OSNR correction in mB for different opticali technology types. Configurable range: -5.0 to 5.0 dB.

Table 192-7 WTOCMA Calibration

Name	Value
Displayed name	WTOCMA Calibration
OSS name	wtocmaCalib
Type	FLOAT
Minimum	-5
Maximum	5
Units	dB
Tab|Panel	General|General
Description	Optical power correction from nominal power level for WTOCMA. Configurable range: -5.0 to 5.0 dB.

Table 192-8 WTOCM Calibration

Name	Value
Displayed name	WTOCM Calibration
OSS name	wtocmCalib
Type	FLOAT
Minimum	-5
Maximum	5
Units	dB
Tab|Panel	General|General
Description	Optical power correction from nominal power level for WTOCM. Configurable range: -5.0 to 5.0 dB.

193 —Termination Point (netw)

Table 193-1 Termination Point parameters

Parameters	
Encap Type	Terminating Port Displayed Name
MTU	Terminating Port ID
Site ID	Underlying Equipment State
Site Name	

Table 193-2 Encap Type

Name	Value
Displayed name	Encap Type
OSS name	encapType
Type	equipment.PortEncapType
Default	0
Read-only	yes
Tab|Panel	Physical Termination|General
Enumerated types	
ATM	
BCP Dot1 Q	
BCP Null	
CEM	
FR	

(1 of 2)

Name	Value
Cisco HDLC	
IPCP	
MPLS	
Null	
PPP Auto	
Dot1 Q	
Q in Q	
HDLC	
N/A	
WAN Mirror	

(2 of 2)

Table 193-3 MTU

Name	Value
Displayed name	MTU
OSS name	mtu
Type	INT
Default	0
Read-only	yes
Tab|Panel	Physical Termination|General

Table 193-4 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 193-5 Site Name

Name	Value
Displayed name	Site Name

(1 of 2)

Name	Value
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

(2 of 2)

Table 193-6 Terminating Port Displayed Name

Name	Value
Displayed name	Terminating Port Displayed Name
OSS name	terminatingPortDisplayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	Physical Termination|General

Table 193-7 Terminating Port ID

Name	Value
Displayed name	Terminating Port ID
OSS name	terminatingPortId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Physical Termination|General

Table 193-8 Underlying Equipment State

Name	Value
Displayed name	Underlying Equipment State
OSS name	underlyingEquipmentState
Type	equipment.CompositeEquipmentState
Default	N/A
Read-only	yes
Tab|Panel	Physical Termination|General

(1 of 2)

Name	Value
Enumerated types	
Parent Admin Down	
Parent In Test	
Parent Type Mismatch	
Parent Removed	
Parent Oper Down	
Admin Down	
In Test	
Type Mismatch	
Removed	
Oper Down	
N/A	
OK	
Link Down	

(2 of 2)

194 —Termination Point (optical)

Table 194-1 Termination Point parameters

Parameters	
Access Port	Operational State
Administrative State	Optical Line Port ODUk Facility Object
Client VTS Number	Optical Protection Line Port ODUk Facility Object
Egress VTS Number	Optsg
Egress VTS Number	Port Name
Ingress VTS Number	Protection Egress VTS Number
Ingress VTS Number	Protection Ingress VTS Number
Line Port	Termination Point
Line Port	Termination Point
Line VTS Number	VTS Number
Line VTS Number	

Table 194-2 Access Port

Name	Value
Displayed name	Access Port
OSS name	clientPortPointer
Type	STRING
Tab|Panel	General|Optical Access Port Virtual Time Slot
Description	Pointer to the client port in case of a protected service.

Table 194-3 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	optical.ConnectionAdminState
Default	Down
Mandatory on creation	yes
Tab|Panel	General|States
Description	The administrative state of the Termination Point.
Enumerated types	
Automatic In-Service	
Blocking	
Down	
Maintenance	
Partially Down	
Standby/Backup	
Unknown	
Up	

Table 194-4 Client VTS Number

Name	Value
Displayed name	Client VTS Number
OSS name	clientVtsNumber
Type	INT
Minimum	1
Maximum	10
Default	1
Tab|Panel	General|Optical Access Port Virtual Time Slot
Description	11dpe12 card configured in fullrate mode, used to set cpTs2 on client port

Table 194-5 Egress VTS Number

Name	Value
Displayed name	Egress VTS Number
OSS name	vtsLineEgress

(1 of 2)

Name	Value
Type	INT
Minimum	1
Maximum	100
Default	1
Tab|Panel	General|Optical Working Network Port Virtual Time Slot
Description	Represents VTS channel in egress direction for working Line port and filled for 11dpe12/11dpe12e card configured in subrate/QinQ mode

(2 of 2)

Table 194-6 Egress VTS Number

Name	Value
Displayed name	Egress VTS Number
OSS name	vtsNumberEgress
Type	INT
Minimum	1
Maximum	100
Default	1
Tab|Panel	General|Optical Access Port Virtual Time Slot
Description	This Vts number is required only for 11dpe12 it is configured in subrate/QinQ mode and 11dpe12e cards

Table 194-7 Ingress VTS Number

Name	Value
Displayed name	Ingress VTS Number
OSS name	vtsLineIngress
Type	INT
Minimum	1
Maximum	100
Default	1
Tab|Panel	General|Optical Working Network Port Virtual Time Slot
Description	Represents VTS channel in ingress direction for working Line port and filled for 11dpe12/11dpe12e card configured in subrate/QinQ mode

Table 194-8 Ingress VTS Number

Name	Value
Displayed name	Ingress VTS Number
OSS name	vtsNumberIngress
Type	INT
Minimum	1
Maximum	100
Default	1
Tab|Panel	General|Optical Access Port Virtual Time Slot
Description	This Vts number is required only for 11dpe12 when it is configured in subrate/QinQ mode and 11dpe12e cards

Table 194-9 Line Port

Name	Value
Displayed name	Line Port
OSS name	linePortPointer
Type	POINTER
Tab|Panel	General|Optical Working Network Port Virtual Time Slot
Description	Pointer to the working line port in case of a protected service.

Table 194-10 Line Port

Name	Value
Displayed name	Line Port
OSS name	protectionLinePortPointer
Type	POINTER
Tab|Panel	General|Optical Protection Network Port Virtual Time Slot
Description	Pointer to the protection line port in case of a protected service.

Table 194-11 Line VTS Number

Name	Value
Displayed name	Line VTS Number
OSS name	lineVtsNumber
Type	INT

(1 of 2)

Name	Value
Minimum	1
Maximum	10
Default	1
Tab|Panel	General|Optical Working Network Port Virtual Time Slot
Description	11dpe12 card configured in fullrate mode, used to choose vtsSource on line port

(2 of 2)

Table 194-12 Line VTS Number

Name	Value
Displayed name	Line VTS Number
OSS name	vtsLine
Type	INT
Minimum	1
Maximum	32
Default	1
Tab|Panel	General|Optical Working Network Port Virtual Time Slot
Description	Reprsents the working line port and is filled only for 11dpe12/11dpe12e cards configured in subrate/QinQ mode

Table 194-13 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	optical.ConnectionOperState
Default	Down
Tab|Panel	General|States
Description	The operational state of the Termination Point.
Enumerated types	
Down	
Partially Down	
Unknown	
Up	

Table 194-14 Optical Line Port ODUk Facility Object

Name	Value
Displayed name	Optical Line Port ODUk Facility Object
OSS name	loOdukCtp
Type	POINTER
Tab|Panel	General|Optical Line Port ODUk Facility
Description	Pointer to the working LoODUk CTP.

Table 194-15 Optical Protection Line Port ODUk Facility Object

Name	Value
Displayed name	Optical Protection Line Port ODUk Facility Object
OSS name	protectionLoOdukCtp
Type	POINTER
Tab|Panel	General|Optical Line Port ODUk Facility
Description	Pointer to the Protection LoODUk CTP.

Table 194-16 Optsg

Name	Value
Displayed name	Optsg
OSS name	optsgCtp
Type	POINTER
Tab|Panel	General|OPTSG Termination Point
Description	Pointer to the OPTSG CTP.

Table 194-17 Port Name

Name	Value
Displayed name	Port Name
OSS name	portName
Type	STRING
Tab|Panel	General|Port
Description	Used for Display in the service/trail components screen in SAM GUI.

Table 194-18 Protection Egress VTS Number

Name	Value
Displayed name	Protection Egress VTS Number
OSS name	vtsProtectionLineEgress
Type	INT
Minimum	1
Maximum	100
Default	1
Tab|Panel	General|Optical Protection Network Port Virtual Time Slot
Description	Represents VTS channel in egress direction for protection Line port and filled for 11dpe12/11dpe12e card configured in subrate/QinQ mode

Table 194-19 Protection Ingress VTS Number

Name	Value
Displayed name	Protection Ingress VTS Number
OSS name	vtsProtectionLineIngress
Type	INT
Minimum	1
Maximum	100
Default	1
Tab|Panel	General|Optical Protection Network Port Virtual Time Slot
Description	Represents VTS channel in ingress direction for protection Line port and filled for 11dpe12/11dpe12e card configured in subrate/QinQ mode

Table 194-20 Termination Point

Name	Value
Displayed name	Termination Point
OSS name	ctpPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Ctp
Description	Pointer to the Connection Termination Point (Ctp).

Table 194-21 Termination Point

Name	Value
Displayed name	Termination Point
OSS name	portPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Port
Description	Pointer to the termination point port.

Table 194-22 VTS Number

Name	Value
Displayed name	VTS Number
OSS name	vtsNumber
Type	INT
Minimum	1
Maximum	10
Default	1
Tab|Panel	General|Optical Access Port Virtual Time Slot
Description	This Vts number is required only for 11dpe12 when it is configured in subrate/QinQ mode and 11dpe12e cards.

195 — Trail Site

Table 195-1 Trail Site parameters

Parameters	
Account Session ID	Service ID
Account Session ID (Control)	Service Name
Administrative State	Site ID
Creation Mode	Site Name
Customer ID	Site Position
Customer Name	State Cause
Description	SVC Mgr Service ID
Dynamic Service Policy	Switch Name
Monitor Access Interface Operational State	System ID
Name	Trail ID
Operational State	Trail Name

Table 195-2 Account Session ID

Name	Value
Displayed name	Account Session ID
OSS name	acctSessionId
Type	STRING
Read-only	yes
Tab|Panel	General|Auto-Creation

Table 195-3 Account Session ID (Control)

Name	Value
Displayed name	Account Session ID (Control)
OSS name	acctSessionIdCtrl
Type	STRING
Read-only	yes
Tab|Panel	General|Auto-Creation

Table 195-4 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	netw.AdministrativeState
Default	Up
Tab|Panel	General|General
Description	The administrative state of the service site.
Enumerated types	
Down	
Up	
Unknown	
Inherit	
Not Operational	
Testing	
N/A	
Noop	

Table 195-5 Creation Mode

Name	Value
Displayed name	Creation Mode
OSS name	creationOrigin
Type	svt.L2RouteOriginType
Default	Manual
Mandatory on creation	yes
Tab|Panel	General|Auto-Creation

(1 of 2)

Name	Value
Description	Indicates the protocol or mechanism which created this site.
Enumerated types	
L2VPN (BGP-AD)	
L2VPN (BGP VPLS)	
BGP VPWS	
Dynamic Service	
External Manager (evpnPmsi)	
Manual	
Multi-Segment PW	
External Manager (nvc)	
RADIUS	
SPB	
VPLS PMSI	

(2 of 2)

Table 195-6 Customer ID

Name	Value
Displayed name	Customer ID
OSS name	subscriberId
Type	LONG
Default	1
Read-only	yes
Tab|Panel	General|Customer

Table 195-7 Customer Name

Name	Value
Displayed name	Customer Name
OSS name	subscriberName
Type	STRING
Maximum	32
Read-only	yes
Tab|Panel	General|Customer

Table 195-8 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 195-9 Dynamic Service Policy

Name	Value
Displayed name	Dynamic Service Policy
OSS name	dynamicServicePolicyPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Auto-Creation
Description	Identifies the Dynamic Service Policy used to create this service.

Table 195-10 Monitor Access Interface Operational State

Name	Value
Displayed name	Monitor Access Interface Operational State
OSS name	monitorAccessInterfaceOper
Type	BOOL
Default	false
Tab|Panel	General|General

Table 195-11 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0

(1 of 2)

Name	Value
Maximum	64
Tab|Panel	General|General
Description	Specifies the Name of the Service Site. It cannot be set to only spaces. Setting to "" , "N/A" , or "n/a" after creation, will clear Site Name from the node and SAM GUI will display "N/A".

(2 of 2)

Table 195-12 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	netw.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Description	The operational status of this service site.
Enumerated types	
Down	
Failed	
Initializing	
Up	
Not Present	
Disabled	
Transition	
Unknown	
Blocking	
MTU Mismatch	
No Egress Label	
No Ingress Label	
No Labels	
Tunnel Down	
Tunnel MTU Too Small	
Tunnel Not Ready	
Indeterminate	
Filtering	
Forwarding	
Dormant	

(1 of 2)

Name	Value
Lower Layer Down	
Testing	
N/A	
Backup Designated Router	
Designated Router	
Loopback	
Other Designated Router	
Point-to-Point	
Waiting	
attempt	
down	
exchange	
exchange started	
full	
init	
loading	
two way	
Admin Down	
Egress QoS Mismatch	
IES Interface Admin Down	
Ingress QoS Mismatch	
Invalid Egress Interface	
Not Alive	
Not Ready	
Transport Tunnel Down	
Port MTU Too Small	

(2 of 2)

Table 195-13 Service ID

Name	Value
Displayed name	Service ID
OSS name	serviceId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Service

Table 195-14 Service Name

Name	Value
Displayed name	Service Name
OSS name	serviceName
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Service

Table 195-15 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	INETADDR
Default	0.0.0.0
Mandatory on creation	yes
Tab|Panel	General|Site Details

Table 195-16 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Tab|Panel	General|Site Details
Description	Indicates the Name of the Site.

Table 195-17 Site Position

Name	Value
Displayed name	Site Position
OSS name	sitePosition
Type	optical.SitePosition
Default	A End

(1 of 2)

Name	Value
Tab|Panel	General|Site Details
Description	Indicates if the site is at A end or Z end of the trail.
Enumerated types	
Add	
Drop	
Drop and Continue	
A End	
Z End	

(2 of 2)

Table 195-18 State Cause

Name	Value
Displayed name	State Cause
OSS name	operationalFlags
Type	optical.SiteOperFlags
Read-only	yes
Tab|Panel	General|General
Description	Specifies all the conditions that affect the operating status of this service.

Table 195-19 SVC Mgr Service ID

Name	Value
Displayed name	SVC Mgr Service ID
OSS name	svcComponentId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Service

Table 195-20 Switch Name

Name	Value
Displayed name	Switch Name
OSS name	ethernetSwitchCardPointer
Type	POINTER

(1 of 2)

Name	Value
Mandatory on creation	yes
Tab|Panel	General|Network Element
Description	On 1830 PSS nodes, new cards like 11QPE24 supports E-LAN (VPLS) and later E-Line (VLL); other cards will follow. All of these cards support the SR-OS object model and behave similar to 7210 nodes. This object represents a service object on a given a site and card. This attribute is a pointer to the card model object.

(2 of 2)

Table 195-21 System ID

Name	Value
Displayed name	System ID
OSS name	siteId
Type	INETADDR
Default	0.0.0.0
Mandatory on creation	yes
Tab|Panel	General|Network Element

Table 195-22 Trail ID

Name	Value
Displayed name	Trail ID
OSS name	serviceId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Trail

Table 195-23 Trail Name

Name	Value
Displayed name	Trail Name
OSS name	serviceName
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Trail

196 —Trail Termination Point

Table 196-1 Trail Termination Point parameters

Parameters	
Administrative State	Termination Point
Operational State	Termination Point
Port Name	

Table 196-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	optical.ConnectionAdminState
Default	Down
Mandatory on creation	yes
Tab|Panel	General|States
Description	The administrative state of the Termination Point.
Enumerated types	
Automatic In-Service	
Blocking	
Down	
Maintenance	

(1 of 2)

Name	Value
Partially Down	
Standby/Backup	
Unknown	
Up	

(2 of 2)

Table 196-3 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	optical.ConnectionOperState
Default	Down
Tab|Panel	General|States
Description	The operational state of the Termination Point.
Enumerated types	
Down	
Partially Down	
Unknown	
Up	

Table 196-4 Port Name

Name	Value
Displayed name	Port Name
OSS name	portName
Type	STRING
Tab|Panel	General|Port
Description	Used for Display in the service/trail components screen in SAM GUI.

Table 196-5 Termination Point

Name	Value
Displayed name	Termination Point
OSS name	ctpPointer
Type	POINTER

(1 of 2)

Name	Value
Mandatory on creation	yes
Tab|Panel	General|Ctp
Description	Pointer to the Connection Termination Point (Ctp).

(2 of 2)

Table 196-6 Termination Point

Name	Value
Displayed name	Termination Point
OSS name	portPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Port
Description	Pointer to the termination point port.

197 —Unexpected Wave Keys

Table 197-1 Unexpected Wave Keys parameters

Parameters	
Direction	Measured Power
Frequency	Wave Key

Table 197-2 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	optical.Direction
Mandatory on creation	yes
Tab|Panel	General|General
Description	The signal direction.
Enumerated types	
In	
Out	

Table 197-3 Frequency

Name	Value
Displayed name	Frequency
OSS name	channel
Type	optical.ITUChannel
Default	8760
Mandatory on creation	yes
Tab|Panel	General|General
Description	The ITU channel.
Enumerated types	
1310	
1471	
1490	
1491	
1511	
1530	
1531	
1550	
1551	
1571	
1591	
1611	
1625	
850	
8650	
8655	
8660	
8665	
8670	
8675	
8680	
8685	
8690	
8695	
8700	
8705	
8710	

(1 of 6)

Name	Value
8715	
8720	
8725	
8730	
8735	
8740	
8745	
8750	
8755	
8760	
8765	
8770	
8775	
8780	
8785	
8790	
8795	
8800	
8805	
8810	
8815	
8820	
8825	
8830	
8835	
8840	
8845	
8850	
8855	
8860	
8865	
8870	
8875	
8880	
8885	
8890	
8895	

(2 of 6)

Name	Value
8900	
8905	
8910	
8915	
8920	
8925	
8930	
8935	
8940	
8945	
8950	
8955	
8960	
8965	
8970	
8975	
8980	
8985	
8990	
8995	
9000	
9005	
9010	
9015	
9020	
9025	
9030	
9035	
9040	
9045	
9050	
9055	
9060	
9065	
9070	
9075	
9080	

(3 of 6)

Name	Value
9085	
9090	
9095	
9100	
9105	
9110	
9115	
9120	
9125	
9130	
9135	
9140	
9145	
9150	
9155	
9160	
9165	
9170	
9175	
9180	
9185	
9190	
9195	
9200	
9205	
9210	
9215	
9220	
9225	
9230	
9235	
9240	
9245	
9250	
9255	
9260	
9265	

(4 of 6)

Name	Value
9270	
9275	
9280	
9285	
9290	
9295	
9300	
9305	
9310	
9315	
9320	
9325	
9330	
9335	
9340	
9345	
9350	
9355	
9360	
9365	
9370	
9375	
9380	
9385	
9390	
9395	
9400	
9405	
9410	
9415	
9420	
9425	
9430	
9435	
9440	
9445	
9450	

(5 of 6)

Name	Value
9455	
9460	
9465	
9470	
9475	
9480	
9485	
9490	
9495	
9500	
9505	
9510	
9515	
9520	
9525	
9530	
9535	
9540	
9545	
9550	
9555	
9560	
9565	
9570	
9575	
9580	
9585	
9590	
9595	
9600	
9605	
None	

(6 of 6)

Table 197-4 Measured Power

Name	Value
Displayed name	Measured Power
OSS name	uwtKeyPower
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	General|General
Description	The power, expressed in units of mBm, associated with the unexpected Wave Key.

Table 197-5 Wave Key

Name	Value
Displayed name	Wave Key
OSS name	uwtKey
Type	LONG
Tab|Panel	General|General
Description	One of many possible Wave Keys.

198 —Virtual Plane HO-ODU Termination

Table 198-1 Virtual Plane HO-ODU Termination parameters

Parameters	
Assigned Rate	Name
Ctp ID	Site ID
Layer Type	Site Name

Table 198-2 Assigned Rate

Name	Value
Displayed name	Assigned Rate
OSS name	assignedRate
Type	optical.AssignedRate
Tab|Panel	General|General
Description	The assigned rate - OTU1, GigE, OC3…
Enumerated types	
3GSDI	
40GbE LAN	
BITS	
CBR10G	
CBR2G5	
DCN	

(1 of 3)

Name	Value
DDR	
Default	
DVBASI	
DVI 6000	
E1	
ESCON	
FC10G	
FC100	
FC200	
FC400	
FC800	
FDDI	
FE	
1GbE	
HDSDI	
100GbE LAN	
N/A	
OC12	
OC192	
OC3	
OC48	
OC768	
OCH	
ODU0	
ODU1	
ODU1e	
ODU1f	
ODU2	
ODU2e	
ODU2f	
ODU3	
ODU3e1	
ODU3e2	
ODU4	
ODUFlex-3GSDI	
ODUFlex-FC400	
ONETRU	

(2 of 3)

Name	Value
OPTSG	
OS	
OTS	
OTU1	
OTU2	
OTU2e	
OTU3	
OTU3e2	
OTU4	
SDR	
SDSDI	
STM1	
STM16	
STM256	
STM4	
STM64	
SubGigE	
10GbE LAN	
TOD	
Unassigned	
Unknown	

(3 of 3)

Table 198-3 Ctp ID

Name	Value
Displayed name	Ctp ID
OSS name	ctpId
Type	INT
Minimum	1
Default	1
Mandatory on creation	yes
Tab|Panel	General|General
Description	The identifier for the Ctp.

Table 198-4 Layer Type

Name	Value
Displayed name	Layer Type
OSS name	layerType
Type	optical.LayerType
Tab|Panel	General|General
Description	The layer type - OCH, OTU, ODU, Electrical…
Enumerated types	
Client	
Ethernet	
High Order ODU	
Low Order ODU	
OCH	
ODU	
OTU	

Table 198-5 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

Table 198-6 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 198-7 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

199 —VlanUplink

Table 199-1 VlanUplink parameters

Parameters	
Aggregation Operational State	Service Connection Point B
Service Connection Point A	Service ID

Table 199-2 Aggregation Operational State

Name	Value
Displayed name	Aggregation Operational State
OSS name	aggrOperationalState
Type	service.ServiceState
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Description	The operational status of this connector and drive from both side of connector .
Enumerated types	
Automatic In-Service	
Blocking	
Down	
Maintenance	
Partially Down	

(1 of 2)

Name	Value
Standby/Backup	
Unknown	
Up	

(2 of 2)

Table 199-3 Service Connection Point A

Name	Value
Displayed name	Service Connection Point A
OSS name	firstScpPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Service Connection Points

Table 199-4 Service Connection Point B

Name	Value
Displayed name	Service Connection Point B
OSS name	secondScpPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Service Connection Points

Table 199-5 Service ID

Name	Value
Displayed name	Service ID
OSS name	serviceId
Type	LONG
Default	0
Mandatory on creation	yes
Tab|Panel	General|General

200 —VPLS L2 Access Interface

Table 200-1 VPLS L2 Access Interface parameters

Parameters	
Accounting Policy	Egress Filter
Actual Maximum Frame Size	Egress Mark QinQ Top Bits Only
Administrative State	Egress Multicast Group
Aggregate CIR	Egress Policy
Aggregate CIR	Egress Queue Group Template Policy
Aggregate Rate Limit	Egress Scheduler
Aggregate Rate Limit	Element
Aggregate Shaper CIR Rate	Enable Aggregate Rate Limit
Aggregate Shaper PIR Rate	Enable Egress Forwarding
Aggregation	Enable Egress Packets Forwarding
Aggregation Scheduler	Enable Ingress Forwarding
Application Profile	Enable Port Redundancy
Assigned to Multi-homing Site	Enable Split Horizon
BPDU Translation	Enable Virtual MEP Filter
Calling Station ID	Encapsulation Type
Cflowd Type	Ethernet CFM Monitor Flags
Collect Accounting Statistics	Ethernet Tunnel Endpoint Control SAP
Connection Profile	Force ctag Vlan Forwarding
Customer ID	Frame-Based Accounting
Customer Name	Ingress Counter Mode
Description	Ingress Counter Type
Displayed Name	Ingress Filter
Egress Aggregate Rate Limit CIR	Ingress Filter
Egress Aggregate Rate Limit PIR	Ingress Match QinQ Dot1P
Egress Filter	Ingress Meter

(1 of 2)

Parameters	
Ingress Meter Burst	Role
Ingress Meter Rate	SAP Sub Type
Ingress Policy	SAP TCA Profile
Ingress Queue Group Template Policy	SAS Egress Policy
Ingress Scheduler	SAS Ingress Policy
Inner Encapsulation Value	Scheduler Mode
Instance ID	Scheduler Mode
IPv6 Egress Filter	Service ID
IPv6 Ingress Filter	Service Name
ISA-AA Group ID	Service Type
ISA-AA Partition ID	SHCV Action
L2 Protocol Termination	SHCV Interval
L2PT Protocol	SHCV Retry Count
LAG Link Map Profile	SHCV Retry Timeout
Lightweight SAP	SHCV Source IP Address
Limit Unused Bandwidth	SHCV Source MAC Address
LLF Enabled	Site ID
LLF ID	Site ID
LLF Status	Site Name
MAC Monitoring	Split Horizon Group Name
Manual Switch Backup State	Squelch Ingress Level
Maximum Frame Size Mismatch	State Cause
MC-LAG Hold Time	State Qualifier
MC Ring Node	Subscriber Authentication Policy
MIP	SVC Mgr Service ID
MIP MAC Address	Terminated Port Class Name
Name	Terminating Port
NE DDoS Protection Policy	Time of Day Suite
NE DoS Protection	Transit Prefix Policy
Operational State	Transit SAP
OSS Meta Data	Translation
Outer Encapsulation Value	Translation ID
Packet Byte Offset (bytes)	Trust Mode
Policer Control Policy	Tunnel Fault Notification
Policer Control Policy	Underlying Port State
Policy	Use as Test Source
Port ID	Use as Test Target
Port Name	Use Multipoint Shared Queue
PPPoE Circuit ID	Use Shared Queue
Priority	VLAN Range SAP
Provisioned Maximum Frame Size	WRR Policy

(2 of 2)

Table 200-2 Accounting Policy

Name	Value
Displayed name	Accounting Policy

(1 of 2)

Name	Value
OSS name	accountingPolicyObjectPointer
Type	POINTER
Tab|Panel	Accounting|General

(2 of 2)

Table 200-3 Actual Maximum Frame Size

Name	Value
Displayed name	Actual Maximum Frame Size
OSS name	actualMtu
Type	INT
Default	1500
Units	bytes
Read-only	yes
Tab|Panel	Port|General

Table 200-4 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	vpls.AdministrativeState
Default	unspecified
Tab|Panel	General|General

Table 200-5 Aggregate CIR

Name	Value
Displayed name	Aggregate CIR
OSS name	ingressAggCIR
Type	INT
Minimum	-1
Maximum	10000000
Default	-1
Units	kbps
Tab|Panel	Schedulers|Ingress Aggregate Rate Limit

(1 of 2)

Name	Value
Description	Specifies the CIR of all ingress queues for this SAP. This cannot be modified from its default value on a SAP with ingress scheduler mode being four-priority.

(2 of 2)

Table 200-6 Aggregate CIR

Name	Value
Displayed name	Aggregate CIR
OSS name	egressAggCIR
Type	INT
Minimum	-1
Maximum	10000000
Default	-1
Units	kbps
Tab|Panel	Schedulers|Egress Aggregate Rate Limit
Description	Specifies the CIR of all egress queues for this SAP. This cannot be modified from its default value on a SAP with egress scheduler mode being four-priority.

Table 200-7 Aggregate Rate Limit

Name	Value
Displayed name	Aggregate Rate Limit
OSS name	ingressAggRateLimit
Type	INT
Minimum	-1
Maximum	100000000
Default	-1
Units	kbps
Tab|Panel	Schedulers|Ingress Aggregate Rate Limit
Description	Specifies the maximum total rate of all ingress queues for this SAP. The value '-1' means that there is no limit.

Table 200-8 Aggregate Rate Limit

Name	Value
Displayed name	Aggregate Rate Limit
OSS name	egressAggRateLimit

(1 of 2)

Name	Value
Type	INT
Minimum	-1
Maximum	100000000
Default	-1
Units	kbps
Tab|Panel	Schedulers|Egress Aggregate Rate Limit
Description	Specifies the maximum total rate of all egress queues for this AccessInterface. The value -1 means that there is no limit.

(2 of 2)

Table 200-9 Aggregate Shaper CIR Rate

Name	Value
Displayed name	Aggregate Shaper CIR Rate
OSS name	sapIngressAggregateShaperRateCIR
Type	INT
Minimum	-1
Maximum	20000000
Default	0
Units	kbps
Tab|Panel	QoS|Aggregate Rate Limit

Table 200-10 Aggregate Shaper PIR Rate

Name	Value
Displayed name	Aggregate Shaper PIR Rate
OSS name	sapIngressAggregateShaperRatePIR
Type	INT
Minimum	-1
Maximum	20000000
Default	-1
Units	kbps
Tab|Panel	QoS|Aggregate Rate Limit

Table 200-11 Aggregation

Name	Value
Displayed name	Aggregation
OSS name	aggregation
Type	INT
Default	off
Tab|Panel	Schedulers|General

Table 200-12 Aggregation Scheduler

Name	Value
Displayed name	Aggregation Scheduler
OSS name	aggregationSchedulerObjectPointer
Type	POINTER
Tab|Panel	Schedulers|Aggregation Scheduler

Table 200-13 Application Profile

Name	Value
Displayed name	Application Profile
OSS name	aaApplicationProfile
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	Application Assurance.General|General
Description	Specifies the unique name of an application assurance's application profile.

Table 200-14 Assigned to Multi-homing Site

Name	Value
Displayed name	Assigned to Multi-homing Site
OSS name	bgpVplsMhSiteName
Type	STRING
Read-only	yes
Tab|Panel	General|BGP Multi-homing

(1 of 2)

Name	Value
Description	The name of the BGP Multi-homing VPLS site that this SAP associated with.

(2 of 2)

Table 200-15 BPDU Translation

Name	Value
Displayed name	BPDU Translation
OSS name	bpduTranslation
Type	vpls.BpduTranslation
Default	Disabled
Tab|Panel	Forwarding Control.BPDU Termination|General
Description	The value specifies whether received L2 Protocol Tunnel PDUs are translated before being sent out on this L2 Access Interface.
Enumerated types	
Auto	
Auto-RW	
Disabled	
PVST	
PVST-RW	
STP	

Table 200-16 Calling Station ID

Name	Value
Displayed name	Calling Station ID
OSS name	callingStationId
Type	STRING
Minimum	0
Maximum	64
Tab|Panel	General|General

Table 200-17 Cflowd Type

Name	Value
Displayed name	Cflowd Type
OSS name	cflowdType

(1 of 2)

Name	Value
Type	service.CflowdTypes
Default	None
Tab|Panel	General|General
Enumerated types	
ACL Ingress Only	
ACL Egress Only	
ACL Ingress Egress	
Interface Ingress Only	
Interface Egress Only	
Interface Ingress Egress	
None	

(2 of 2)

Table 200-18 Collect Accounting Statistics

Name	Value
Displayed name	Collect Accounting Statistics
OSS name	accountingOn
Type	BOOL
Default	true
Tab|Panel	Accounting|General

Table 200-19 Connection Profile

Name	Value
Displayed name	Connection Profile
OSS name	connectionProfile
Type	POINTER
Tab|Panel	Port|Connection Profile

Table 200-20 Customer ID

Name	Value
Displayed name	Customer ID
OSS name	subscriberId
Type	LONG

(1 of 2)

Name	Value
Default	1
Read-only	yes
Tab|Panel	General|Customer

(2 of 2)

Table 200-21 Customer Name

Name	Value
Displayed name	Customer Name
OSS name	subscriberName
Type	STRING
Maximum	32
Read-only	yes
Tab|Panel	General|Customer

Table 200-22 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 200-23 Displayed Name

Name	Value
Displayed name	Displayed Name
OSS name	hsmdaEgrSecondaryShaper
Type	STRING
Tab|Panel	QoS|Egress HSMDA Override|Secondary Shaper
Description	HSMDA Egress Secondary Shaper applicable to this service

Table 200-24 Egress Aggregate Rate Limit CIR

Name	Value
Displayed name	Egress Aggregate Rate Limit CIR
OSS name	egressAggRateLimitCIR
Type	INT
Minimum	0
Maximum	10000000
Default	0
Units	kbps
Tab|Panel	Schedulers|Egress Aggregate Rate Limit CIR PIR
Description	Specifies Aggregate Rate Limit CIR value on this site.

Table 200-25 Egress Aggregate Rate Limit PIR

Name	Value
Displayed name	Egress Aggregate Rate Limit PIR
OSS name	egressAggRateLimitPIR
Type	INT
Minimum	-1
Maximum	10000000
Default	-1
Units	kbps
Tab|Panel	Schedulers|Egress Aggregate Rate Limit CIR PIR
Description	Specifies Aggregate Rate Limit PIR value on this site.

Table 200-26 Egress Filter

Name	Value
Displayed name	Egress Filter
OSS name	egressFilterPointer
Type	POINTER
Tab|Panel	ACL|IP Filter

Table 200-27 Egress Filter

Name	Value
Displayed name	Egress Filter
OSS name	egressFilterPointer
Type	POINTER
Tab|Panel	ACL|IP/MAC Filter

Table 200-28 Egress Mark QinQ Top Bits Only

Name	Value
Displayed name	Egress Mark QinQ Top Bits Only
OSS name	egressQinqMarkTopBitsOnly
Type	BOOL
Default	false
Tab|Panel	QoS|General
Description	This property only applies to ports with an encapsulation type of QinQ and specifies whether only top bits should be marked (true), or both top and bottom bits should be marked (false).

Table 200-29 Egress Multicast Group

Name	Value
Displayed name	Egress Multicast Group
OSS name	egressMcastGroupPointer
Type	POINTER
Tab|Panel	Egress Multicast Group|General
Description	The value specifies the Egress Multicast Group this SAP belongs to.

Table 200-30 Egress Policy

Name	Value
Displayed name	Egress Policy
OSS name	egressPolicyObjectPointer
Type	POINTER
Default	Access Egress:1
Tab|Panel	QoS|General

Table 200-31 Egress Queue Group Template Policy

Name	Value
Displayed name	Egress Queue Group Template Policy
OSS name	egressPortQueueGroupPointer
Type	POINTER
Tab|Panel	QoS|General|Port Redirect
Description	Specifies the egress access port queue-group policy pointer for this SAP.

Table 200-32 Egress Scheduler

Name	Value
Displayed name	Egress Scheduler
OSS name	egressSchedulerObjectPointer
Type	POINTER
Tab|Panel	Schedulers|Egress Scheduler

Table 200-33 Element

Name	Value
Displayed name	Element
OSS name	ethRingElementPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	Port|Ethernet Ring

Table 200-34 Enable Aggregate Rate Limit

Name	Value
Displayed name	Enable Aggregate Rate Limit
OSS name	egressAggRateLimitEnabled
Type	BOOL
Default	false
Tab|Panel	Schedulers|Egress Aggregate Rate Limit CIR PIR
Description	Specifies whether Aggregate Rate Limit is enabled on this site.

Table 200-35 Enable Egress Forwarding

Name	Value
Displayed name	Enable Egress Forwarding
OSS name	sapEgressStatsEnable
Type	BOOL
Default	false
Tab|Panel	Accounting|7210 Specific

Table 200-36 Enable Egress Packets Forwarding

Name	Value
Displayed name	Enable Egress Packets Forwarding
OSS name	sapEgressStatsPktsMode
Type	BOOL
Default	false
Tab|Panel	Accounting|7210 Specific

Table 200-37 Enable Ingress Forwarding

Name	Value
Displayed name	Enable Ingress Forwarding
OSS name	sapIngressStatsEnable
Type	BOOL
Default	false
Tab|Panel	Accounting|7210 Specific

Table 200-38 Enable Port Redundancy

Name	Value
Displayed name	Enable Port Redundancy
OSS name	enablePortRedundancy
Type	BOOL
Default	false
Tab|Panel	Port|Port Redundancy
Description	Indicates whether to enable the backup port configuration for manual switching. Currently it is only applicable to Epipe and Cpipe on 7x50/7710/7705 node.

Table 200-39 Enable Split Horizon

Name	Value
Displayed name	Enable Split Horizon
OSS name	enableShg
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	Port|Ethernet Ring

Table 200-40 Enable Virtual MEP Filter

Name	Value
Displayed name	Enable Virtual MEP Filter
OSS name	vMepFilter
Type	BOOL
Default	false
Tab|Panel	ETH-CFM|Virtual MEPs
Description	The value of vMepFilter specifies whether ETH-CFM PDUs egressing the sap at the same level or lower than that of the configured service MEP (the virtual MEP) should be discarded or continue to egress.

Table 200-41 Encapsulation Type

Name	Value
Displayed name	Encapsulation Type
OSS name	encapType
Type	equipment.PortEncapType
Default	unspecified
Read-only	yes
Tab|Panel	Port|General
Enumerated types	
ATM	
BCP Dot1 Q	
BCP Null	
CEM	
FR	
Cisco HDLC	

(1 of 2)

Name	Value
IPCP	
MPLS	
Null	
PPP Auto	
Dot1 Q	
Q in Q	
HDLC	
N/A	
WAN Mirror	

(2 of 2)

Table 200-42 Ethernet CFM Monitor Flags

Name	Value
Displayed name	Ethernet CFM Monitor Flags
OSS name	cpmProtEthCfmMonitorFlags
Type	vpls.EthCfmMonitorFlagsType
Default	0
Tab|Panel	Security|General

Table 200-43 Ethernet Tunnel Endpoint Control SAP

Name	Value
Displayed name	Ethernet Tunnel Endpoint Control SAP
OSS name	ethTunnelControlSap
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	Port|Ethernet Tunnel
Description	For SAPs that have an Ethernet Tunnel Endpoint as the Terminating Port, indicates if this is a control SAP. If set to 'true', the value of the 'outerEncapValue' property is set to 8191.

Table 200-44 Force ctag Vlan Forwarding

Name	Value
Displayed name	Force ctag Vlan Forwarding

(1 of 2)

Name	Value
OSS name	forceCtagVlanFwd
Type	BOOL
Default	false
Tab|Panel	General|Force ctag VLAN Forwarding

(2 of 2)

Table 200-45 Frame-Based Accounting

Name	Value
Displayed name	Frame-Based Accounting
OSS name	egressFrameBaseAccounting
Type	BOOL
Default	false
Tab|Panel	Schedulers|Egress Aggregate Rate Limit

Table 200-46 Ingress Counter Mode

Name	Value
Displayed name	Ingress Counter Mode
OSS name	sapIngressCounterMode
Type	vpls.SapIngressCounterMode
Default	packet
Tab|Panel	Accounting|7210 Specific

Table 200-47 Ingress Counter Type

Name	Value
Displayed name	Ingress Counter Type
OSS name	sapIngressCounterType
Type	vpls.SapIngressCounterType
Default	inOutProfileCount
Tab|Panel	Accounting|7210 Specific

Table 200-48 Ingress Filter

Name	Value
Displayed name	Ingress Filter
OSS name	ingressFilterPointer
Type	POINTER
Tab|Panel	ACL|IP Filter

Table 200-49 Ingress Filter

Name	Value
Displayed name	Ingress Filter
OSS name	ingressFilterPointer
Type	POINTER
Tab|Panel	ACL|IP/MAC Filter

Table 200-50 Ingress Match QinQ Dot1P

Name	Value
Displayed name	Ingress Match QinQ Dot1P
OSS name	ingressMatchQinqDot1pBits
Type	rtr.MatchQinqDot1pBitsType
Default	None
Tab|Panel	QoS|General
Enumerated types	
Bottom	
None	
Top	

Table 200-51 Ingress Meter

Name	Value
Displayed name	Ingress Meter
OSS name	sapIngressWithAggregateMeter
Type	generic.TruthValue
Tab|Panel	QoS|Aggregate Rate Limit

Table 200-52 Ingress Meter Burst

Name	Value
Displayed name	Ingress Meter Burst
OSS name	sapIngressAggregateMeterBurst
Type	INT
Minimum	-1
Maximum	2146959
Default	-1
Tab|Panel	QoS|Aggregate Rate Limit

Table 200-53 Ingress Meter Rate

Name	Value
Displayed name	Ingress Meter Rate
OSS name	sapIngressAggregateMeterRate
Type	INT
Minimum	-1
Maximum	20000000
Default	0
Units	kbps
Tab|Panel	QoS|Aggregate Rate Limit

Table 200-54 Ingress Policy

Name	Value
Displayed name	Ingress Policy
OSS name	ingressPolicyObjectPointer
Type	POINTER
Default	Access Ingress:1
Tab|Panel	QoS|General
Description	Specifies the SAP-Ingress QoS for the SAP. For L3 when changing the port the SAP will retain the originalSAP-Ingress QoS selected unless explicitly changed.

Table 200-55 Ingress Queue Group Template Policy

Name	Value
Displayed name	Ingress Queue Group Template Policy
OSS name	ingressQueueGroupName
Type	STRING
Tab|Panel	QoS|General|Forwarding Plane Redirect
Description	Specifies the forwarding-plane queue group instance for this SAP. For L3 when changing the port the SAP will retain the original forwarding-plane queue group instance selected unless explicitly changed.

Table 200-56 Ingress Scheduler

Name	Value
Displayed name	Ingress Scheduler
OSS name	ingressSchedulerObjectPointer
Type	POINTER
Tab|Panel	Schedulers|Ingress Scheduler

Table 200-57 Inner Encapsulation Value

Name	Value
Displayed name	Inner Encapsulation Value
OSS name	innerEncapValue
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	Port|General
Description	Provisioned inner encap value. This value is propagated into: terminatedPortInnerEncapValue.

Table 200-58 Instance ID

Name	Value
Displayed name	Instance ID
OSS name	ingressInstanceId
Type	LONG

(1 of 2)

Name	Value
Minimum	0
Maximum	65535
Default	0
Tab|Panel	QoS|General|Forwarding Plane Redirect
Description	Specifies the instance id of the forwarding-plane queue group instance for this SAP. For L3 when changing the port the SAP will retain the original instance id selected unless explicitly changed.

(2 of 2)

Table 200-59 IPv6 Egress Filter

Name	Value
Displayed name	IPv6 Egress Filter
OSS name	egressIpv6FilterPointer
Type	POINTER
Tab|Panel	ACL|IPv6 Filter

Table 200-60 IPv6 Ingress Filter

Name	Value
Displayed name	IPv6 Ingress Filter
OSS name	ingressIpv6FilterPointer
Type	POINTER
Tab|Panel	ACL|IPv6 Filter

Table 200-61 ISA-AA Group ID

Name	Value
Displayed name	ISA-AA Group ID
OSS name	aaGrpId
Type	INT
Default	1
Tab|Panel	Application Assurance.General|General
Description	Specifies the groupId of the application profile corresponding to aaApplicationProfile.

Table 200-62 ISA-AA Partition ID

Name	Value
Displayed name	ISA-AA Partition ID
OSS name	aaPartId
Type	INT
Default	0
Tab|Panel	Application Assurance.General|General
Description	Specifies the partitionId of the application profile corresponding to aaApplicationProfile.

Table 200-63 L2 Protocol Termination

Name	Value
Displayed name	L2 Protocol Termination
OSS name	l2ptTermination
Type	vpls.L2PtTermination
Default	Disabled
Tab|Panel	Forwarding Control.BPDU Termination|General
Description	The value specifies whether received L2 Protocol Tunnel PDUs are terminated on this L2 Access Interface.
Enumerated types	
Disabled	
Enabled	

Table 200-64 L2PT Protocol

Name	Value
Displayed name	L2PT Protocol
OSS name	l2ptProtocol
Type	vpls.L2PtProtocol
Default	stp
Tab|Panel	Forwarding Control.BPDU Termination|L2PtProtocol1
Description	The L2ptProtocols indicates which L2 protocols should have their tunnels terminated when 'L2ptTermination' is enabled.
Enumerated types	
cdp	
dtp	

(1 of 2)

Name	Value
pagp	
stp	
udld	
vtp	

(2 of 2)

Table 200-65 LAG Link Map Profile

Name	Value
Displayed name	LAG Link Map Profile
OSS name	lagLinkMapProfilePointer
Type	POINTER
Tab|Panel	Port|General
Description	Pointer to the LAG Link Mapping Profile

Table 200-66 Lightweight SAP

Name	Value
Displayed name	Lightweight SAP
OSS name	lightweightSap
Type	BOOL
Default	false
Tab|Panel	General|Split Horizon Group
Description	A SAP is considered Lightweight if it is associated to a SHG Site that is Residential : - tlsShgResidential indicates whether or not the split-horizon-group is residential. In a Residential Split Horizon Group (RSHG) there is no downstream broadcast, and all saps in the group will share the default ingress queue. The value can be specified during row-creation, cannot be changed later on.

Table 200-67 Limit Unused Bandwidth

Name	Value
Displayed name	Limit Unused Bandwidth
OSS name	egressAggRateLUB
Type	BOOL
Default	false
Tab|Panel	Schedulers|Egress Aggregate Rate Limit

(1 of 2)

Name	Value
Description	Specifies whether to limit the unused bandwidth and allow a tighter control in allocation of bandwidth by HQos.

(2 of 2)

Table 200-68 LLF Enabled

Name	Value
Displayed name	LLF Enabled
OSS name	llfEnabled
Type	INT
Default	Disabled
Tab|Panel	Port|Link Loss Forwarding
Description	Is Link Loss Forwarding enabled on this sap. It only applies to 1830 VPLS services.

Table 200-69 LLF ID

Name	Value
Displayed name	LLF ID
OSS name	llfId
Type	INT
Minimum	0
Maximum	5
Default	0
Tab|Panel	Port|Link Loss Forwarding
Description	Setting the LLF ID to 0 disables LLF.

Table 200-70 LLF Status

Name	Value
Displayed name	LLF Status
OSS name	llfState
Type	INT
Default	Clear
Tab|Panel	Port|Link Loss Forwarding
Description	Link Loss Forward state. It only applies to 1830 VPLS services (See name binding behavior items).

Table 200-71 MAC Monitoring

Name	Value
Displayed name	MAC Monitoring
OSS name	macMonitoring
Type	BOOL
Default	false
Tab|Panel	Security|General

Table 200-72 Manual Switch Backup State

Name	Value
Displayed name	Manual Switch Backup State
OSS name	redundantSwitchState
Type	vpls.ManualSwitchBackupState
Default	none
Read-only	yes
Tab|Panel	Port|Port Redundancy
Description	Indicates the redundant state of this L2 Access Interface for manual switching.

Table 200-73 Maximum Frame Size Mismatch

Name	Value
Displayed name	Maximum Frame Size Mismatch
OSS name	mtuMismatch
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	Port|General
Description	The value is set to 'true' when the provisioned MTU value is greater than the actual MTU value (provisionedMtu > actualMtu).

Table 200-74 MC-LAG Hold Time

Name	Value
Displayed name	MC-LAG Hold Time
OSS name	mcLagPropHoldTimeRemain

(1 of 2)

Name	Value
Type	LONG
Tab|Panel	ETH-CFM|Facility MEPs
Description	The value of mcLagPropHoldTimeRemain indicates the remaining time, in seconds, until MEPs on this SAP will react to a Multi-Chassis LAG protocol or port change. The value zero (0) indicates there are no pending events, or the SAP is not a MC-LAG SAP. This object corresponds to the global configuration timer: TIMETRA-IEEE8021-CFM-MIB::tmnxDot1agCfmMcLagPropHoldTime.

(2 of 2)

Table 200-75 MC Ring Node

Name	Value
Displayed name	MC Ring Node
OSS name	ringNodeName
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	General|McRedundancy
Description	Specifies the unique name of a multi-chassis ring access node.

Table 200-76 MIP

Name	Value
Displayed name	MIP
OSS name	mipEnabled
Type	vpls.MipMode
Default	Disabled
Tab|Panel	ETH-CFM|MIP
Enumerated types	
Disabled	
Enabled	

Table 200-77 MIP MAC Address

Name	Value
Displayed name	MIP MAC Address
OSS name	mipMacAddress

(1 of 2)

Name	Value
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	ETH-CFM|MIP

(2 of 2)

Table 200-78 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	40
Mandatory on creation	yes
Tab|Panel	General|General

Table 200-79 NE DDoS Protection Policy

Name	Value
Displayed name	NE DDoS Protection Policy
OSS name	dCpuProtectionPolicyPointer
Type	POINTER
Tab|Panel	Security|General
Description	Pointer specifies the DDoS Protection Policy that's applicable to this interface.

Table 200-80 NE DoS Protection

Name	Value
Displayed name	NE DoS Protection
OSS name	dosProtection
Type	POINTER
Default	NE DoS Protection:254
Tab|Panel	Security|General
Description	Pointer specifies the DoS Protection Policy that's applicable to this interface.

Table 200-81 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	vpls.OperationalState
Default	unknown
Read-only	yes
Tab|Panel	General|General

Table 200-82 OSS Meta Data

Name	Value
Displayed name	OSS Meta Data
OSS name	ossMetaData
Type	STRING
Minimum	0
Maximum	300
Tab|Panel	OSS Meta Data|General

Table 200-83 Outer Encapsulation Value

Name	Value
Displayed name	Outer Encapsulation Value
OSS name	outerEncapValue
Type	INT
Minimum	0
Maximum	4095
Default	0
Tab|Panel	Port|General
Description	Provisioned outer encap value. This value is propagated into: terminatedPortOuterEncapValue.

Table 200-84 Packet Byte Offset (bytes)

Name	Value
Displayed name	Packet Byte Offset (bytes)

(1 of 2)

Name	Value
OSS name	hsmdaEgrQosPackByteOffOvrd
Type	INT
Minimum	-128
Maximum	31
Default	-128
Tab|Panel	QoS|Egress HSMDA Override
Description	Specifies the Packet Byte Offset of an hsmda egress policy for this service. The value -128 means that there is no override.

(2 of 2)

Table 200-85 Policer Control Policy

Name	Value
Displayed name	Policer Control Policy
OSS name	ingressPolicerPolicyPointer
Type	POINTER
Tab|Panel	Schedulers|Ingress Policer Control Policy
Description	Hierarchical Policing Policy applicable to this service

Table 200-86 Policer Control Policy

Name	Value
Displayed name	Policer Control Policy
OSS name	egressPolicerPolicyPointer
Type	POINTER
Tab|Panel	Schedulers|Egress Policer Control Policy
Description	Hierarchical Policing Policy applicable to this service

Table 200-87 Policy

Name	Value
Displayed name	Policy
OSS name	hostLockoutPolicyPointer
Type	POINTER
Tab|Panel	General|Host Lockout
Description	Pointer to the host lockout Policy

Table 200-88 Port ID

Name	Value
Displayed name	Port ID
OSS name	portId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	Port|General

Table 200-89 Port Name

Name	Value
Displayed name	Port Name
OSS name	portName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	Port|General

Table 200-90 PPPoE Circuit ID

Name	Value
Displayed name	PPPoE Circuit ID
OSS name	pppoeCircuitId
Type	BOOL
Default	false
Tab|Panel	General|PPPoe Circuit

Table 200-91 Priority

Name	Value
Displayed name	Priority
OSS name	priority
Type	INT
Minimum	0

(1 of 2)

Name	Value
Maximum	7
Default	0
Tab|Panel	Port|General

(2 of 2)

Table 200-92 Provisioned Maximum Frame Size

Name	Value
Displayed name	Provisioned Maximum Frame Size
OSS name	provisionedMtu
Type	INT
Default	1500
Units	bytes
Read-only	yes
Tab|Panel	Port|General

Table 200-93 Role

Name	Value
Displayed name	Role
OSS name	testRole
Type	ethernetoam.MepRole
Default	Hub
Tab|Panel	ETH-CFM|testOptions
Description	Specifies if Test Suite Generation should use this MEP as a Hub or Spoke (Hubs target Hubs and Spokes, Spoke can only target Hubs)
Enumerated types	
Hub	
Spoke	

Table 200-94 SAP Sub Type

Name	Value
Displayed name	SAP Sub Type
OSS name	sapSubType
Type	service.SapSubType

(1 of 2)

Name	Value
Default	Regular
Mandatory on creation	yes
Tab|Panel	General|SAP Sub Type
Description	Indicates the sub-type for this Access Interface.
Enumerated types	
Capture	
Managed	
Regular	
Virtual	

(2 of 2)

Table 200-95 SAP TCA Profile

Name	Value
Displayed name	SAP TCA Profile
OSS name	cardStatsTCAProfilePointer
Type	POINTER
Tab|Panel	General|Performance

Table 200-96 SAS Egress Policy

Name	Value
Displayed name	SAS Egress Policy
OSS name	sasEgressPolicyObjectPointer
Type	POINTER
Default	sasAccessEgress:1
Tab|Panel	QoS|7210 Specific

Table 200-97 SAS Ingress Policy

Name	Value
Displayed name	SAS Ingress Policy
OSS name	sasIngressPolicyObjectPointer
Type	POINTER
Default	sasAccessIngress:1
Tab|Panel	QoS|7210 Specific

Table 200-98 Scheduler Mode

Name	Value
Displayed name	Scheduler Mode
OSS name	ingressSchedulerMode
Type	vpls.SchedulerMode
Default	fourPriority
Tab|Panel	Schedulers|Ingress Scheduler
Description	Specifies the mode that the ingress scheduler is provisioned for this SAP to operate in. All MDAs can support four-priority mode, but not all MDAs can support sixteen-priority mode.

Table 200-99 Scheduler Mode

Name	Value
Displayed name	Scheduler Mode
OSS name	egressSchedulerMode
Type	vpls.SchedulerMode
Default	fourPriority
Tab|Panel	Schedulers|Egress Scheduler
Description	Specifies the mode that the egress scheduler is provisioned for this SAP to operate in. All MDAs can support four-priority mode, but not all MDAs can support sixteen-priority mode.

Table 200-100 Service ID

Name	Value
Displayed name	Service ID
OSS name	serviceId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Service

Table 200-101 Service Name

Name	Value
Displayed name	Service Name

(1 of 2)

Name	Value
OSS name	serviceName
Type	STRING
Minimum	0
Maximum	64
Read-only	yes
Tab|Panel	General|Service

(2 of 2)

Table 200-102 Service Type

Name	Value
Displayed name	Service Type
OSS name	serviceType
Type	service.ServiceType
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Enumerated types	
Apipe	
Cpipe	
Epipe	
Fpipe	
Hpipe	
IES	
Inconsistent	
Ipipe	
IPsec	
MIRROR	
MVPLS	
SPB-BVLAN	
Unknown	
VLAN	
VPLS	
VPRN	

Table 200-103 SHCV Action

Name	Value
Displayed name	SHCV Action
OSS name	shcvAction
Type	service.ShcvAction
Default	Raise Event
Tab|Panel	Host Connectivity|SHCV
Description	Specifies the action to be taken for hosts on this interface whose host connectivity checking fails. "Alarm" will raise an alarm indicating that a host is disconnected on this SAP. "Remove" will raise an alarm and remove the DHCP state and release allocated resources.
Enumerated types	
Raise Event	
Remove and Raise Event	

Table 200-104 SHCV Interval

Name	Value
Displayed name	SHCV Interval
OSS name	shcvInterval
Type	INT
Minimum	0
Maximum	6000
Default	0
Units	minutes
Tab|Panel	Host Connectivity|SHCV
Description	The default value depends whether the NE supports SHCV: if NE supports SHCV the default value is 10 minutes, otherwise is 0. The interval specifies the time, in minutes, within which hosts on a SAP should be verified. The interval starts for each host individually, when it is created. Dynamic and static hosts are treated in the same way. The actual rate dependents on the number of known hosts and the interval. Interval value '0' means SHCV is administratively disabled.

Table 200-105 SHCV Retry Count

Name	Value
Displayed name	SHCV Retry Count
OSS name	shcvRetryCount
Type	INT
Minimum	2

(1 of 2)

Name	Value
Maximum	29
Default	2
Tab|Panel	Host Connectivity|SHCV
Description	Specifies the number of connectivity check retransmissions. Setting the value to (n) specifies that, for any given host, at most (n+1) probes are done each interval, and (n+1) missed replies are considered as a connectivity failure.

(2 of 2)

Table 200-106 SHCV Retry Timeout

Name	Value
Displayed name	SHCV Retry Timeout
OSS name	shcvRetryTimeout
Type	INT
Minimum	10
Maximum	60
Default	10
Units	seconds
Tab|Panel	Host Connectivity|SHCV
Description	Specifies the timeout in seconds before a connectivity check retransmission.

Table 200-107 SHCV Source IP Address

Name	Value
Displayed name	SHCV Source IP Address
OSS name	shcvSourceIpAddress
Type	INETADDR
Default	0.0.0.0
Tab|Panel	Host Connectivity|SHCV
Description	The IP address to be used as the source for the UC ARP packets. A source IP address of 0.0.0.0 is valid and will prevent the host installing the ARP entry.

Table 200-108 SHCV Source MAC Address

Name	Value
Displayed name	SHCV Source MAC Address
OSS name	shcvSourceMacAddress

(1 of 2)

Name	Value
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	Host Connectivity|SHCV
Description	The MAC address to be used as the source for the UC ARP packets. If an all 0 MAC address is specified, the 7x50 will use the MAC address for the CPM known in the context of the VPLS service.

(2 of 2)

Table 200-109 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|General

Table 200-110 Site ID

Name	Value
Displayed name	Site ID
OSS name	nodeId
Type	STRING
Maximum	50
Read-only	yes
Tab|Panel	General|Site

Table 200-111 Site Name

Name	Value
Displayed name	Site Name
OSS name	nodeName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Site

Table 200-112 Split Horizon Group Name

Name	Value
Displayed name	Split Horizon Group Name
OSS name	shgSitePointer
Type	POINTER
Tab|Panel	General|Split Horizon Group
Description	Pointer to the Split Horizon Group Site.

Table 200-113 Squelch Ingress Level

Name	Value
Displayed name	Squelch Ingress Level
OSS name	squelchIngressLevel
Type	ethernetoam.SquelchIngressLevelType
Default	None
Tab|Panel	ETH-CFM|Squelch Ingress Level
Description	Specifies the ETH-CFM level or levels that are silently discarded on ingress to the SAP. Any received ETH-CFM PDU matching a level that has been set will be dropped without regard for any other ETH-CFM criteria.
Enumerated types	
Level 0	
Level 1	
Level 2	
Level 3	
Level 4	
Level 5	
Level 6	
Level 7	
None	

Table 200-114 State Cause

Name	Value
Displayed name	State Cause
OSS name	operationalFlags
Type	service.SapOperFlags
Read-only	yes

(1 of 3)

Name	Value
Tab|Panel	General|General
Description	Specifies all the conditions that affect the operating status of this access interface.
Enumerated types	
Egress Named Pool Mismatch Description: Invalid named-pool on the egress side.	
Egress Policer Mismatch Description: Indicate egress policer is parented to non-existent arbiter.	
Egress QoS Mismatch Description: Mismatch between egress QoS and Scheduler policies.	
Ethernet Ring Path Blocked Description: Indicates eth-ring path is blocked.	
Misconfiguration for Eth-Tunnel SAP Description: Missing tag(s) for Eth-Tunnel SAP.	
Ingress Named Pool Mismatch Description: Invalid named-pool on the ingress side.	
Ingress Policer Mismatch Description: Indicate ingress policer is parented to non-existent arbiter.	
Ingress QoS Mismatch Description: Mismatch between ingress QoS and Scheduler policies.	
IP Interface Admin Down Description: The IP Interface is administratively down. Only applicable to IES and VPRN services.	
IP Mirror No MAC Address Description: No MAC Address configured for the ip-mirror.	
L2 PVC/PVP Oper Down Description: Layer 2 PVC/PVP is operationally down. Only applicable to Frame Relay and ATM access ports.	
OAM down MEP fault detected Description: ETH-CFM down MEP fault detected.	
OAM Tunnel MEP fault Description: Indicates Eth-CFM Tunnel MEP fault detected.	
OAM up MEP fault detected Description: ETH-CFM up MEP fault detected.	
Operational Group Down Description: The operational group monitored is down	
Port MTU Too Small Description: The MTU of the access port is too small.	
Port Oper Down Description: The access port is operationally down.	
Received Protected Source MAC Description: Received a packet with a protected source MAC. Applicable to any VPLS service only.	
Relearn Limit Exceeded Description: MAC relearn limit was exceeded. Applicable to any VPLS service only.	
SAP Admin Down Description: The Access Interface is administratively down.	
ECID Or MAC Address Not Configured Description: ECID or MAC address not configured (CEM SAP only).	
Epipe SAP No Ring Node Description: No MAC Address configured for the ip-mirror.	
Ipipe SAP No CE IP Address Description: CE Address not configured for Ipipe Access Interface. Only applicable to Ipipe service.	
No Resources Upon Reboot-MSS SAP-TOD	
Service Specific Local Parameter Mismatch Description: Service specific local parameter mismatch.	
Standby For BGP Multi-homing Description: Indicates the SAP is standby because of a BGP multi-home protocol.	
Standby For MC-Lag Description: MC-Lag keeps this SAP standby for the corresponding SAP on peer.	
Standby For MC-Ring Description: MC-ring keeps this SAP standby for the corresponding SAP on peer.	
Service MTU Too Small Description: Service MTU is less than the SAP payload.	
No Resources Upon Reboot-SAP-TOD Description: SAP with TOD had insufficient resources at boot time and got default policies.	
Subscriber Interface Admin Down Description: The Subscriber Interface is administratively down.	

(2 of 3)

Name	Value
Service Admin Down Description: The Service Site is administratively down.	

(3 of 3)

Table 200-115 State Qualifier

Name	Value
Displayed name	State Qualifier
OSS name	compositeState
Type	vpls.ResourceCompositeState
Default	OK
Read-only	yes
Tab|Panel	General|General
Description	This value is derived from underlyingResourceState and/or resourceState attributes. If the underlyingResourceState is not 'OK' and is not 'unspecified' the value of compositeState will be set to the same value as underlyingResourceState. Otherwise the value of compositeState will be set to the same value as resourceState.

Table 200-116 Subscriber Authentication Policy

Name	Value
Displayed name	Subscriber Authentication Policy
OSS name	subscrAuthPolicyPointer
Type	POINTER
Tab|Panel	General|Subscriber Authentication Policy
Description	Defines which subscriber authentication policy must be applied when a DHCP msg is received on the interface. The authentication policies must be previously defined. The policy will only be applied when DHCP snooping is enabled.

Table 200-117 SVC Mgr Service ID

Name	Value
Displayed name	SVC Mgr Service ID
OSS name	svcComponentId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Service

Table 200-118 Terminated Port Class Name

Name	Value
Displayed name	Terminated Port Class Name
OSS name	terminatedPortClassName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	Port|General

Table 200-119 Terminating Port

Name	Value
Displayed name	Terminating Port
OSS name	portPointer
Type	STRING
Maximum	252
Tab|Panel	Port|General

Table 200-120 Time of Day Suite

Name	Value
Displayed name	Time of Day Suite
OSS name	todSuitePointer
Type	POINTER
Tab|Panel	TOD Suite|General
Description	Pointer to the instance of the ToD Suite object.

Table 200-121 Transit Prefix Policy

Name	Value
Displayed name	Transit Prefix Policy
OSS name	transitPrefixPolicyPointer
Type	POINTER
Tab|Panel	Application Assurance.General|General

(1 of 2)

Name	Value
Description	Specifies a pointer to the transit prefix policy to be associated with this SAP. The value must either be "" indicating an invalid transit prefix policy or the specified transit prefix policy needs to exist

(2 of 2)

Table 200-122 Transit SAP

Name	Value
Displayed name	Transit SAP
OSS name	transitSap
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	Port|General

Table 200-123 Translation

Name	Value
Displayed name	Translation
OSS name	vlanTranslation
Type	INT
Default	None
Tab|Panel	Port|VLAN Translation
Description	Specifies the desired Ingress Vlan Translation. It only applies to EPIPE service.

Table 200-124 Translation ID

Name	Value
Displayed name	Translation ID
OSS name	vlanTranslationId
Type	LONG
Minimum	-1
Maximum	4094
Default	-1
Tab|Panel	Port|VLAN Translation
Description	Specifies the VLAN id to be used to overwrite the preserved VLAN id in the packet. It only applies to EPIPE service.

Table 200-125 Trust Mode

Name	Value
Displayed name	Trust Mode
OSS name	trustMode
Type	BOOL
Default	true
Tab|Panel	Port|General

Table 200-126 Tunnel Fault Notification

Name	Value
Displayed name	Tunnel Fault Notification
OSS name	tunnelFaultNotification
Type	service.TunnelFaultNotificationType
Default	Accept
Tab|Panel	ETH-CFM|Facility MEPs
Description	The value of tunnelFaultNotification specifies whether the SAP will 'accept' CFM fault notifications from a Tunnel MEP and process the notifications (i.e. do fault handling and/or fault propagation), or 'ignore' the notification. Both TIMETRA-SERV-MIB::svcEthCfmTunnelFaultNotification and this object MUST be set to 'accept' for the SAP to process the notification. The value 'notApplicable' is used by the system to represent a SAP which supports ETH-CFM, but not this object.
Enumerated types	
Accept	
Ignore	
N/A	

Table 200-127 Underlying Port State

Name	Value
Displayed name	Underlying Port State
OSS name	underlyingResourceState
Type	vpls.UnderlyingResourceState
Default	noAssociation
Read-only	yes
Tab|Panel	Port|General
Description	State of the underlying resource. (An underlying resource is for example a netw.ConnectionTerminationPoint)

Table 200-128 Use as Test Source

Name	Value
Displayed name	Use as Test Source
OSS name	testSource
Type	BOOL
Default	true
Tab|Panel	ETH-CFM|testOptions
Description	Specifies if Test Suite Generation should use this MEP as a CFM test source (Originating MEP in test)

Table 200-129 Use as Test Target

Name	Value
Displayed name	Use as Test Target
OSS name	testTarget
Type	BOOL
Default	true
Tab|Panel	ETH-CFM|testOptions
Description	Specifies if Test Suite Generation should use this MEP as a CFM test target (Target Mac Address in test)

Table 200-130 Use Multipoint Shared Queue

Name	Value
Displayed name	Use Multipoint Shared Queue
OSS name	usesMultipointShared
Type	generic.TruthValue
Tab|Panel	QoS|Shared Queue

Table 200-131 Use Shared Queue

Name	Value
Displayed name	Use Shared Queue
OSS name	sharedQueueOn
Type	BOOL
Default	false

(1 of 2)

Name	Value
Tab|Panel	QoS|Shared Queue

(2 of 2)

Table 200-132 VLAN Range SAP

Name	Value
Displayed name	VLAN Range SAP
OSS name	vlanRangeSap
Type	BOOL
Default	false
Mandatory on creation	yes
Tab|Panel	Port|General
Description	Specifies, when enabled, that the configured SAP is a VLAN Range SAP.

Table 200-133 WRR Policy

Name	Value
Displayed name	WRR Policy
OSS name	hsmdaEgrQosWrrPlcyOvrd
Type	POINTER
Tab|Panel	QoS|Egress HSMDA Override
Description	HSMDA WRR Policy is the Weighted Round Robin (WRR) policy

201 —VPLS Site

Table 201-1 VPLS Site parameters

Parameters	
Account Session ID	Formatted VSI ID Prefix
Account Session ID (Control)	Global Service VPLS ID
Administrative State	GSMP Administrative State
Administrative State	High Watermark
Administrative State	Ingress Info Policy
Administrative State	L3 IP Interface
Administrative State	Low Watermark
Allow L2Pt Xstp BPDU	LSP Name
Creation Mode	LSP Template
Customer ID	Max VE ID
Customer Name	Modified for Throughput Test
Customer VID	Monitor Access Interface Operational State
Data Delay Interval	MTU
Default Gateway IP Address	Name
Default Gateway MAC Address	Operational State
Default Mesh VC ID	Per Service Hashing for LAG Enabled
Description	Pim Snooping Enabled
Dynamic Service Policy	PPPoE Circuit Id
Enable BGP	Role
Enable BGP AD	Root And Leaf
Enable BGP VPLS	Route Distinguisher
Enable IP Interface Binding	SAP Type
Enable MC-LAG Binding	Service ID
Enable MTU Check	Service Name
Enable Provider Tunnel	SHCV Action

(1 of 2)

Parameters	
SHCV Interval	Table Size
SHCV Retry Count	Tunnel Fault Notification
SHCV Retry Timeout	Type
SHCV Source IP Address	Use as Test Source
SHCV Source MAC Address	Use as Test Target
State Cause	VE ID
SVC Mgr Service ID	VE Name
Switch Name	VPLS ID
System ID	

(2 of 2)

Table 201-2 Account Session ID

Name	Value
Displayed name	Account Session ID
OSS name	acctSessionId
Type	STRING
Read-only	yes
Tab|Panel	General|Auto-Creation

Table 201-3 Account Session ID (Control)

Name	Value
Displayed name	Account Session ID (Control)
OSS name	acctSessionIdCtrl
Type	STRING
Read-only	yes
Tab|Panel	General|Auto-Creation

Table 201-4 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	radiusDiscoveryAdminState
Type	vpls.RadiusDiscoveryAdminState
Default	Down
Read-only	yes
Tab|Panel	Auto Discovery.General|RADIUS

(1 of 2)

Name	Value
Description	Specifies whether RADIUS auto-discovery is enabled on this service. If RADIUS auto-discovery is enabled, the spoke/mesh sdp binding can not be manually created on this service.
Enumerated types	
Down	
Up	

(2 of 2)

Table 201-5 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	vpls.RadiusDiscoveryAdminState
Default	Down
Tab|Panel	BGP.General|BGP AD
Description	The administrative state of the BGP-AD on this VPLS site instance.
Enumerated types	
Down	
Up	

Table 201-6 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	vpls.RadiusDiscoveryAdminState
Default	Down
Tab|Panel	BGP.General|BGP VPLS
Description	The administrative state of the BGP-VPLS on the VSI.
Enumerated types	
Down	
Up	

Table 201-7 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	netw.AdministrativeState
Default	Up
Tab|Panel	General|General
Description	The administrative state of the service site.
Enumerated types	
Down	
Up	
Unknown	
Inherit	
Not Operational	
Testing	
N/A	
Noop	

Table 201-8 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	iPmsiAdministrativeState
Type	netw.AdministrativeState
Default	Down
Tab|Panel	Provider Tunnel|Inclusive Provider Tunnel
Description	Specifies the administrative state of the inclusive provider tunnel in this service.
Enumerated types	
Down	
Up	
Unknown	
Inherit	
Not Operational	
Testing	
N/A	
Noop	

Table 201-9 Allow L2Pt Xstp BPDU

Name	Value
Displayed name	Allow L2Pt Xstp BPDU
OSS name	svcAllowL2ptXstpBpdu
Type	vpls.L2PtXstpBpduType
Default	unspecified
Mandatory on creation	yes
Tab|Panel	General|General
Description	Specifies whether 802.1D STP Layer 2 protocol termination BPDUs are enabled on the site or not.
Enumerated types	
Disabled	
Enabled	

Table 201-10 Creation Mode

Name	Value
Displayed name	Creation Mode
OSS name	creationOrigin
Type	svt.L2RouteOriginType
Default	Manual
Mandatory on creation	yes
Tab|Panel	General|Auto-Creation
Description	Indicates the protocol or mechanism which created this site.
Enumerated types	
L2VPN (BGP-AD)	
L2VPN (BGP VPLS)	
BGP VPWS	
Dynamic Service	
External Manager (evpnPmsi)	
Manual	
Multi-Segment PW	
External Manager (nvc)	
RADIUS	
SPB	
VPLS PMSI	

Table 201-11 Customer ID

Name	Value
Displayed name	Customer ID
OSS name	subscriberId
Type	LONG
Default	1
Read-only	yes
Tab|Panel	General|Customer

Table 201-12 Customer Name

Name	Value
Displayed name	Customer Name
OSS name	subscriberName
Type	STRING
Maximum	32
Read-only	yes
Tab|Panel	General|Customer

Table 201-13 Customer VID

Name	Value
Displayed name	Customer VID
OSS name	svcCustomerVcId
Type	INT
Minimum	0
Maximum	4094
Default	0
Mandatory on creation	yes
Tab|Panel	General|General
Description	This attribute is a property of 7210 SAS nodes.

Table 201-14 Data Delay Interval

Name	Value
Displayed name	Data Delay Interval
OSS name	iPmsiDataDelayInterval
Type	INT
Minimum	3
Maximum	180
Default	15
Units	seconds
Tab|Panel	Provider Tunnel|Inclusive Provider Tunnel
Description	Specifies the data delay interval associated for the inclusive provider tunnel in this service.

Table 201-15 Default Gateway IP Address

Name	Value
Displayed name	Default Gateway IP Address
OSS name	defaultGatewayIpAddr
Type	INETADDR
Default	0.0.0.0
Tab|Panel	Default Gateway|General
Description	Specifies the default gateway IP address used in multi-chassis operation associated with this TLS service.

Table 201-16 Default Gateway MAC Address

Name	Value
Displayed name	Default Gateway MAC Address
OSS name	defaultGatewayMacAddr
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	Default Gateway|General
Description	Specifies the type of default gateway MAC address used in multi-chassis operation associated with this TLS service.

Table 201-17 Default Mesh VC ID

Name	Value
Displayed name	Default Mesh VC ID
OSS name	vcId
Type	LONG
Minimum	0
Maximum	4294967295
Default	0
Tab|Panel	General|General
Description	The virtual circuit identifier. For VPLS/MVPLS services on 7750/7450/7710-family nodes, it inherits the value of the default Mesh VC ID from the VPLS/MVPLS service component and the value is used for Mesh SDP Bindings. For 7250 nodes, it is the VC ID used for spoke SDP Bindings.

Table 201-18 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	80
Tab|Panel	General|General

Table 201-19 Dynamic Service Policy

Name	Value
Displayed name	Dynamic Service Policy
OSS name	dynamicServicePolicyPointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Auto-Creation
Description	Identifies the Dynamic Service Policy used to create this service.

Table 201-20 Enable BGP

Name	Value
Displayed name	Enable BGP
OSS name	bgpEnabled
Type	BOOL
Default	false
Tab|Panel	BGP.General|General
Description	Specifies whether BGP is enabled on this site. Note: Before SR 10.0, BGP is enabled by default on the node with vpls Site creation. After 10.0, BGP needs to be manually enabled on the node under vpls Site.

Table 201-21 Enable BGP AD

Name	Value
Displayed name	Enable BGP AD
OSS name	bgpAdEnabled
Type	BOOL
Default	false
Tab|Panel	BGP.General|General
Description	Specifies whether BGP AD is enabled on this site.

Table 201-22 Enable BGP VPLS

Name	Value
Displayed name	Enable BGP VPLS
OSS name	bgpVplsEnabled
Type	BOOL
Default	false
Tab|Panel	BGP.General|General
Description	Specifies whether BGP VPLS is enabled on this site.

Table 201-23 Enable IP Interface Binding

Name	Value
Displayed name	Enable IP Interface Binding
OSS name	enableIpItfBinding

(1 of 2)

Name	Value
Type	BOOL
Default	false
Tab|Panel	General|Routed VPLS
Description	Indicates whether to allow IP interface binding on this service site.

(2 of 2)

Table 201-24 Enable MC-LAG Binding

Name	Value
Displayed name	Enable MC-LAG Binding
OSS name	mclagBinding
Type	BOOL
Default	false
Tab|Panel	General|MC-LAG configuration

Table 201-25 Enable MTU Check

Name	Value
Displayed name	Enable MTU Check
OSS name	mtuCheck
Type	BOOL
Default	true
Tab|Panel	General|General

Table 201-26 Enable Provider Tunnel

Name	Value
Displayed name	Enable Provider Tunnel
OSS name	providerTunnelEnabled
Type	BOOL
Default	false
Tab|Panel	Provider Tunnel|General
Description	Specifies whether provider tunnel is enabled on this site.

Table 201-27 Formatted VSI ID Prefix

Name	Value
Displayed name	Formatted VSI ID Prefix
OSS name	vsiIdPrefixIpFormat
Type	INETADDR
Default	0.0.0.0
Tab|Panel	BGP.General|BGP AD
Description	The value of the VSI ID Prefix but in an IP format for better readability.

Table 201-28 Global Service VPLS ID

Name	Value
Displayed name	Global Service VPLS ID
OSS name	vplsId
Type	STRING
Minimum	3
Maximum	32
Default	0:0
Read-only	yes
Tab|Panel	BGP.General|BGP AD Service Identification
Description	The VPLS-ID of this VPLS Instance is BGP-AD is supported. This value will be used to uniquely identify this service. This attribute will could be displayed on the GUI if the use enables BGP-AD at the site level. This step has to be done manually at each instance site level. This value will be taken from the SAM service object.

Table 201-29 GSMP Administrative State

Name	Value
Displayed name	GSMP Administrative State
OSS name	gsmpAdministrativeState
Type	vpls.GsmpAdminState
Default	Disabled
Tab|Panel	General|GSMP
Enumerated types	
Disabled	
Enabled	

Table 201-30 High Watermark

Name	Value
Displayed name	High Watermark
OSS name	mfibTableHighWatermark
Type	LONG
Minimum	0
Maximum	100
Default	95
Units	%
Tab|Panel	Forwarding Control.MFIB|MFIB

Table 201-31 Ingress Info Policy

Name	Value
Displayed name	Ingress Info Policy
OSS name	ingrPathMgmtPolicyPointer
Type	POINTER
Default	Multicast PathMgmt Info Policy:default
Tab|Panel	Multicast.Mcast Path Mgmt.General|Info Policy
Description	Pointer to the instance of the multicast Ingress PathMgmt Info policy.

Table 201-32 L3 IP Interface

Name	Value
Displayed name	L3 IP Interface
OSS name	ipInterfacePointer
Type	POINTER
Read-only	yes
Tab|Panel	General|Routed VPLS

Table 201-33 Low Watermark

Name	Value
Displayed name	Low Watermark
OSS name	mfibTableLowWatermark

(1 of 2)

Name	Value
Type	LONG
Minimum	0
Maximum	100
Default	90
Units	%
Tab|Panel	Forwarding Control.MFIB|MFIB

(2 of 2)

Table 201-34 LSP Name

Name	Value
Displayed name	LSP Name
OSS name	iPmsiLspName
Type	STRING
Read-only	yes
Tab|Panel	Provider Tunnel|Inclusive Provider Tunnel
Description	Indicates the LSP name used for signalling inclusive provider tunnel in this service.

Table 201-35 LSP Template

Name	Value
Displayed name	LSP Template
OSS name	iPmsiLspTemplatePointer
Type	POINTER
Tab|Panel	Provider Tunnel|Inclusive Provider Tunnel
Description	Specifies the name of the LSP template to be used for signalling inclusive provider tunnel in this service.

Table 201-36 Max VE ID

Name	Value
Displayed name	Max VE ID
OSS name	maxVeId
Type	INT
Minimum	0
Maximum	65535

(1 of 2)

Name	Value
Default	65535
Tab|Panel	BGP.General|BGP VPLS
Description	Specifies the allowed range for the veld value: locally configured and received in a NLRI. Configuration of a veld higher than the value specified in this command is not allowed. Valid values are from 0 to 65535, 0 means disabled.

(2 of 2)

Table 201-37 Modified for Throughput Test

Name	Value
Displayed name	Modified for Throughput Test
OSS name	mfThroughputTest
Type	BOOL
Default	false
Tab|Panel	General|General
Description	Indicates whether the service site is modified for the service throughput test.

Table 201-38 Monitor Access Interface Operational State

Name	Value
Displayed name	Monitor Access Interface Operational State
OSS name	monitorAccessInterfaceOper
Type	BOOL
Default	false
Tab|Panel	General|General

Table 201-39 MTU

Name	Value
Displayed name	MTU
OSS name	mtu
Type	LONG
Minimum	0
Maximum	9194
Default	0
Tab|Panel	General|General
Description	The maximum transfer unit of this site.

Table 201-40 Name

Name	Value
Displayed name	Name
OSS name	displayedName
Type	STRING
Minimum	0
Maximum	64
Tab|Panel	General|General
Description	Specifies the Name of the Service Site. It cannot be set to only spaces. Setting to "", "N/A" , or "n/a" after creation, will clear Site Name from the node and SAM GUI will display "N/A".

Table 201-41 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	netw.OperationalState
Default	Unknown
Read-only	yes
Tab|Panel	General|General
Description	The operational status of this service site.
Enumerated types	
Down	
Failed	
Initializing	
Up	
Not Present	
Disabled	
Transition	
Unknown	
Blocking	
MTU Mismatch	
No Egress Label	
No Ingress Label	
No Labels	
Tunnel Down	
Tunnel MTU Too Small	

(1 of 2)

Name	Value
Tunnel Not Ready	
Indeterminate	
Filtering	
Forwarding	
Dormant	
Lower Layer Down	
Testing	
N/A	
Backup Designated Router	
Designated Router	
Loopback	
Other Designated Router	
Point-to-Point	
Waiting	
attempt	
down	
exchange	
exchange started	
full	
init	
loading	
two way	
Admin Down	
Egress QoS Mismatch	
IES Interface Admin Down	
Ingress QoS Mismatch	
Invalid Egress Interface	
Not Alive	
Not Ready	
Transport Tunnel Down	
Port MTU Too Small	

(2 of 2)

Table 201-42 Per Service Hashing for LAG Enabled

Name	Value
Displayed name	Per Service Hashing for LAG Enabled

(1 of 2)

Name	Value
OSS name	perServiceHashing
Type	BOOL
Default	false
Tab|Panel	General|General
Description	The value of PerSvcHashing specifies service-level hashing for Ethernet services.

(2 of 2)

Table 201-43 Pim Snooping Enabled

Name	Value
Displayed name	Pim Snooping Enabled
OSS name	pimSnpgEnabled
Type	BOOL
Default	false
Tab|Panel	General|Pim Snooping

Table 201-44 PPPoE Circuit Id

Name	Value
Displayed name	PPPoE Circuit Id
OSS name	pppoeCircuitId
Type	BOOL
Default	false
Tab|Panel	General|General

Table 201-45 Role

Name	Value
Displayed name	Role
OSS name	testRole
Type	ethernetoam.MepRole
Default	Hub
Tab|Panel	ETH-CFM|testOptions
Description	Specifies if Test Suite Generation should use this MEP as a Hub or Spoke (Hubs target Hubs and Spokes, Spoke can only target Hubs)
Enumerated types	

(1 of 2)

Name	Value
Hub	
Spoke	

(2 of 2)

Table 201-46 Root And Leaf

Name	Value
Displayed name	Root And Leaf
OSS name	iPmsiRootAndLeaf
Type	BOOL
Default	false
Tab|Panel	Provider Tunnel|Inclusive Provider Tunnel
Description	Specifies whether the node acts as both a root and leaf or only act as a leaf for P2MP LSP.

Table 201-47 Route Distinguisher

Name	Value
Displayed name	Route Distinguisher
OSS name	routeDistinguisher
Type	STRING
Minimum	3
Maximum	32
Tab|Panel	BGP.General|BGP
Description	The RD will be signaled in the MPBGP NLRI for L2VPN AFI. It is used for service routing, e.g. BGP Multi-Homing for VPLS and Epipe, BGP AD and BGP VPLS. Values and format (6 bytes, other 2 bytes of type will be automatically generated) [ip-addr:comm-val] or [as-number:ext-comm-val]

Table 201-48 SAP Type

Name	Value
Displayed name	SAP Type
OSS name	svcSapType
Type	vpls.SapType
Default	null-star
Mandatory on creation	yes

(1 of 2)

Name	Value
Tab|Panel	General|General
Description	Specifies the type of SAPs which can be configured on the service site. The SAP type determines the encapsulation type (tagging behavior) for packets processed on the SAP.
Enumerated types	
any	
dot1q	
dot1q-preserve	
dot1q-range	
null-star	

(2 of 2)

Table 201-49 Service ID

Name	Value
Displayed name	Service ID
OSS name	serviceId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Service

Table 201-50 Service Name

Name	Value
Displayed name	Service Name
OSS name	serviceName
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Service

Table 201-51 SHCV Action

Name	Value
Displayed name	SHCV Action
OSS name	shcvAction

(1 of 2)

Name	Value
Type	service.ShcvAction
Default	Raise Event
Tab|Panel	Host Connectivity|SHCV
Description	Specifies the action to be taken for hosts on this interface whose host connectivity checking fails. "Alarm" will raise an alarm indicating that a host is disconnected on this SAP. "Remove" will raise an alarm and remove the DHCP state and release allocated resources.
Enumerated types	
Raise Event	
Remove and Raise Event	

(2 of 2)

Table 201-52 SHCV Interval

Name	Value
Displayed name	SHCV Interval
OSS name	shcvInterval
Type	INT
Minimum	0
Maximum	6000
Default	0
Units	minutes
Tab|Panel	Host Connectivity|SHCV
Description	The default value depends whether the NE supports SHCV: if NE supports SHCV the default value is 10 minutes, otherwise is 0. The interval specifies the time, in minutes, within which hosts on a SAP should be verified. The interval starts for each host individually, when it is created. Dynamic and static hosts are treated in the same way. The actual rate dependents on the number of known hosts and the interval. Interval value '0' means SHCV is administratively disabled.

Table 201-53 SHCV Retry Count

Name	Value
Displayed name	SHCV Retry Count
OSS name	shcvRetryCount
Type	INT
Minimum	2
Maximum	29
Default	2
Tab|Panel	Host Connectivity|SHCV

(1 of 2)

Name	Value
Description	Specifies the number of connectivity check retransmissions. Setting the value to (n) specifies that, for any given host, at most (n+1) probes are done each interval, and (n+1) missed replies are considered as a connectivity failure.

(2 of 2)

Table 201-54 SHCV Retry Timeout

Name	Value
Displayed name	SHCV Retry Timeout
OSS name	shcvRetryTimeout
Type	INT
Minimum	10
Maximum	60
Default	10
Units	seconds
Tab|Panel	Host Connectivity|SHCV
Description	Specifies the timeout in seconds before a connectivity check retransmission.

Table 201-55 SHCV Source IP Address

Name	Value
Displayed name	SHCV Source IP Address
OSS name	shcvSourceIpAddress
Type	INETADDR
Default	0.0.0.0
Tab|Panel	Host Connectivity|SHCV
Description	The IP address to be used as the source for the UC ARP packets. A source IP address of 0.0.0.0 is valid and will prevent the host installing the ARP entry.

Table 201-56 SHCV Source MAC Address

Name	Value
Displayed name	SHCV Source MAC Address
OSS name	shcvSourceMacAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	Host Connectivity|SHCV

(1 of 2)

Name	Value
Description	The MAC address to be used as the source for the UC ARP packets. If an all 0 MAC address is specified, the 7x50 will use the MAC address for the CPM known in the context of the VPLS service.

(2 of 2)

Table 201-57 State Cause

Name	Value
Displayed name	State Cause
OSS name	operationalFlags
Type	vpls.SiteOperFlags
Read-only	yes
Tab|Panel	General|General
Description	Specifies all the conditions that affect the operating status of this service.

Table 201-58 SVC Mgr Service ID

Name	Value
Displayed name	SVC Mgr Service ID
OSS name	svcComponentId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|Service

Table 201-59 Switch Name

Name	Value
Displayed name	Switch Name
OSS name	ethernetSwitchCardPointer
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|Network Element
Description	On 1830 PSS nodes, new cards like 11QPE24 supports E-LAN (VPLS) and later E-Line (VLL); other cards will follow. All of these cards support the SR-OS object model and behave similar to 7210 nodes. This object represents a service object on a given a site and card. This attribute is a pointer to the card model object.

Table 201-60 System ID

Name	Value
Displayed name	System ID
OSS name	siteId
Type	INETADDR
Default	0.0.0.0
Mandatory on creation	yes
Tab|Panel	General|Network Element

Table 201-61 Table Size

Name	Value
Displayed name	Table Size
OSS name	mfibTableSize
Type	LONG
Minimum	0
Maximum	16383
Default	0
Units	entries
Tab|Panel	Forwarding Control.MFIB|MFIB

Table 201-62 Tunnel Fault Notification

Name	Value
Displayed name	Tunnel Fault Notification
OSS name	tunnelFaultNotification
Type	service.TunnelFaultNotificationType
Default	Ignore
Tab|Panel	ETH-CFM|Facility MEPs
Description	The value of tunnelFaultNotification specifies whether the service will 'accept' CFM fault notification from a Tunnel MEP and process the notification (i.e. do fault handling and/or fault propagation), or 'ignore' the notification. Both TIMETRA-SAP-MIB::sapEthCfmTunnelFaultNotification and this object MUST be set to 'accept' for an individual SAP to process the notification.
Enumerated types	
Accept	
Ignore	
N/A	

Table 201-63 Type

Name	Value
Displayed name	Type
OSS name	iPmsiType
Type	vpls.IPmsiTypeOption
Default	None
Tab|Panel	Provider Tunnel|Inclusive Provider Tunnel
Description	Specifies the type of protocol supported for the inclusive provider tunnel in this service.
Enumerated types	
mLDP	
None	
RSVP	

Table 201-64 Use as Test Source

Name	Value
Displayed name	Use as Test Source
OSS name	testSource
Type	BOOL
Default	true
Tab|Panel	ETH-CFM|testOptions
Description	Specifies if Test Suite Generation should use this MEP as a CFM test source (Originating MEP in test)

Table 201-65 Use as Test Target

Name	Value
Displayed name	Use as Test Target
OSS name	testTarget
Type	BOOL
Default	true
Tab|Panel	ETH-CFM|testOptions
Description	Specifies if Test Suite Generation should use this MEP as a CFM test target (Target Mac Address in test)

Table 201-66 VE ID

Name	Value
Displayed name	VE ID
OSS name	veId
Type	INT
Minimum	0
Maximum	65535
Default	0
Tab|Panel	BGP.General|BGP VPLS
Description	Specifies the VE ID value for this BGP VPLS site. The VE ID is advertised by BGP update message as part of NLRI and used to calculate the pseudowire label to other VPLS members. It should be unique within a VPLS, except for multi-home scenario. For more information, please refer to RFC4761. Valid values are from 0 to 65535, 0 means disabled.

Table 201-67 VE Name

Name	Value
Displayed name	VE Name
OSS name	veName
Type	STRING
Minimum	0
Maximum	32
Tab|Panel	BGP.General|BGP VPLS
Description	Specifies a name for this BGP VPLS instance under the VPLS.

Table 201-68 VPLS ID

Name	Value
Displayed name	VPLS ID
OSS name	vplsIdCli
Type	STRING
Minimum	3
Maximum	32
Default	0:0
Tab|Panel	BGP.General|BGP AD
Description	The vplsId value but in a CLI readable format. [ip-addr:comm-val] or [as-number:ext-comm-val]

202 —VTS Alarm Profile

Table 202-1 VTS Alarm Profile parameters

Parameters	
Category	Direction
Condition	Override Severity
Default Severity	VTS Map Number

Table 202-2 Category

Name	Value
Displayed name	Category
OSS name	alarmEntityType
Type	optical.TrapEntityType
Mandatory on creation	yes
Tab|Panel	General|General
Description	The trap entity type
Enumerated types	
ALL	
BITS	
CBR10G3	
CBR2G5	
CBRAR	

(1 of 6)

Name	Value
COM	
CPDPR	
CPLMP	
CPNEIGHBOR	
CPRSVP	
DBLINK	
DDR	
E1	
ENV	
EQPT	
FC10G	
FC16G	
FC100	
FC200	
FC400	
FC800	
FE	
40GBE	
1GBE	
GMRENODE	
100GBE	
LAG	
LINEREF	
LOG	
LOODU	
LSP	
MEP	
NETIF	
OC12/STM4	
OC192/STM64	
OC3/STM1	
OC48/STM16	
OC768/STM256	
OCH	
ODU0	
ODU0TCM	
ODU1	

(2 of 6)

Name	Value
ODU1F	
ODU1FTCM	
ODU1ODU0	
ODU1ODU0TCM	
ODU1PTF	
ODU1TCM	
ODU2	
ODU2E	
ODU2EODU0	
ODU2EODU0TCM	
ODU2EODU1	
ODU2EODU1TCM	
ODU2EODUF	
ODU2EODUFTCM	
ODU2ETCM	
ODU2ODU0	
ODU2ODU0TCM	
ODU2ODU1	
ODU2ODU1TCM	
ODU2ODUF	
ODU2ODUFTCM	
ODU2TCM	
ODU3	
ODU3E	
ODU3E2	
ODU3E2ODU0	
ODU3E2ODU0TCM	
ODU3E2ODU1	
ODU3E2ODU1TCM	
ODU3E2ODU2	
ODU3E2ODU2E	
ODU3E2ODU2ETCM	
ODU3E2ODU2TCM	
ODU3E2ODUF	
ODU3E2ODUFTCM	
ODU3E2TCM	
ODU3EODU0	

(3 of 6)

Name	Value
ODU3EODU0TCM	
ODU3EODU1	
ODU3EODU1TCM	
ODU3EODU2	
ODU3EODU2E	
ODU3EODU2ETCM	
ODU3EODU2TCM	
ODU3EODUF	
ODU3EODUFTCM	
ODU3ETCM	
ODU3ODU0	
ODU3ODU0TCM	
ODU3ODU1	
ODU3ODU1TCM	
ODU3ODU2	
ODU3ODU2E	
ODU3ODU2ETCM	
ODU3ODU2TCM	
ODU3ODUF	
ODU3ODUFTCM	
ODU3TCM	
ODU4	
ODU4ODU0	
ODU4ODU0TCM	
ODU4ODU1	
ODU4ODU1F	
ODU4ODU1FTCM	
ODU4ODU1TCM	
ODU4ODU2	
ODU4ODU2E	
ODU4ODU2ETCM	
ODU4ODU2TCM	
ODU4ODU3	
ODU4ODU3E	
ODU4ODU3E2	
ODU4ODU3E2TCM	
ODU4ODU3ETCM	

(4 of 6)

Name	Value
ODU4ODU3TCM	
ODU4ODUF	
ODU4ODUFTCM	
ODU4TCM	
ODUF	
ODUFTCM	
OFA	
OMS	
OPTSG	
OTNFAC	
OTS	
OTU	
OTU0	
OTU1	
OTU1F	
OTU2	
OTU2E	
OTU3	
OTU3E	
OTU3E2	
OTU4	
OTUODU0	
OTUODU0TCM	
OTUODU1	
OTUODU1F	
OTUOODU1FTCM	
OTUODU1TCM	
OTUODU2	
OTUODU2E	
OTUODU2ETCM	
OTUODU2TCM	
OTUODU3	
OTUODU3E	
OTUODU3E2	
OTUODU3E2TCM	
OTUODU3ETCM	
OTUODU3TCM	

(5 of 6)

Name	Value
OTUODU4	
OTUODU4TCM	
PLK	
PM	
PTPCLOCK	
PTPPORT	
RMD	
RMDCESCHNNEL	
RMDIF	
RMDIFMAU	
RMDMEP	
RMDNIM	
SCLOCK	
SDR	
SESSION	
SRERP	
SRMEP	
SROAMSAACTL	
SRSAP	
SRSVC	
SYNC	
TELINK	
10GBE	
TIMING	
TOD	
TRU	
VTS	

(6 of 6)

Table 202-3 Condition

Name	Value
Displayed name	Condition
OSS name	alarmCondition
Type	optical.TrapCondition
Mandatory on creation	yes
Tab|Panel	General|General

(1 of 32)

Name	Value
Description	The trap condition
Enumerated types	
aesFipsFailure	
aisLM	
aisLmsAis	
aisPauAis	
aisTcm	
alienEgrLOS	
allChanMiss	
allChanMissOut	
almRSync	
almRSyncEnd	
ampDisabled	
ampEol	
ANNOUNCELOSS	
apeInProgress	
aprInvalidTopo	
aprLine	
aprNode	
aprOsc	
aprSwitch	
aprUnavail	
aprUnavailOsc	
apsB	
apsCm	
apsMm	
apsNoRed	
arcIND	
asonTopo	
auAisP	
auLopP	
authFail	
autoReset	
autoSwTimRef	
autoSwTimRefT4	
autoSyncSw	
b1Sd	

(2 of 32)

Name	Value
backupUnavail	
backwardDefectIndicationEgress	
baseline	
bdi	
bdiOdu	
bdiOduOut	
bdiTcm	
binsRolled	
bitsAIS	
bitsLof	
bitsLos	
bitsMAN	
bkupCom	
boardEqpt	
brkTrip	
capBufr	
cardBoot	
cardIdRcvd	
cardInBoot	
cardInit	
cardInitBcm	
cardInitFail	
cardInitNonBcm	
cardNotAllowed	
cardSanity	
cbr10G3RxLOS	
cbr10G3RxLSS	
ccActChg	
cfCapacityWarning	
cfmAisEvnt	
cfmDmTestComplete	
cfmFltEvnt	
cfmLbmTestComplete	
cfmLmTestComplete	
cfmLtmTestComplete	
cfmSlmTestComplete	
change	

(3 of 32)

Name	Value
channelViolation	
chkBkplane	
ckm	
clearAllTcas	
colorViolation	
comm	
commDeg	
commDown	
configFail	
contBus	
contCom	
contComm	
contEqpt	
contEqptSplit	
contr	
contrDup	
contrenDgr	
contrenFail	
contrOut	
cpuPerformance	
crdInit	
crTca	
csf	
csfGfp	
CSFGFPOUT	
csfOduEgr	
csfOduOut	
dataErr	
dataFlt	
dbErr	
dbFl	
dbFt	
dbFull	
dbInvalid	
dbMemTrf	
dbUnsync	
dcConfigFail	

(4 of 32)

Name	Value
deg	
degOtu	
degOut	
degTcm	
DELAYRESLOSS	
dormantUser	
dwAis	
dwLof	
dwLom	
dwSd	
dwSf	
e1AisEgr	
e1AisL	
e1Lof	
e1LofEgr	
e1Los	
e1NoCrc4M	
e1NoCRC4MEgr	
e1Rai	
e1RaiEgr	
ebero	
egressSSF	
envInput1Active	
envInput2Active	
envInput3Active	
envInput4Active	
envInput5Active	
envInput6Active	
envInput7Active	
envInput8Active	
eptUploadErr	
eqpt	
eqptCrypto	
eqptDgr	
eqptDgrMon	
eqptDgrOch	
eqptDgrOchOut	

(5 of 32)

Name	Value
eqptDgrOut	
eqptPort	
erpFwdStateChng	
escLatchFail	
esm	
ethCSF	
ethRingPathProvMismatch	
etrMismatch	
etrMismatchMod	
excessLoad	
excessLoss	
facServ	
facTerm	
facTermDev	
facTermDgr	
fan32HRqd	
fanSpeed	
fanSpeedHigh	
fanSpeedLow	
fanSpeedMan	
farEndLos	
faulty	
fdi	
fdiClt	
feAls	
feasibilityViolation	
fecEcSd	
fecFail	
fecUbcSd	
feFlt	
feLfi	
feLos	
feLss	
fePortMismatch	
fePrLf	
feRfi	
fipsFailure	

(6 of 32)

Name	Value
fipsSwMismatch	
flt	
fpgaFail	
fpgaInit	
FPGAINIT1	
FPGAINIT10	
FPGAINIT2	
FPGAINIT3	
FPGAINIT4	
FPGAINIT5	
FPGAINIT6	
FPGAINIT7	
FPGAINIT8	
FPGAINIT9	
FPGAPRELOAD	
fpgaTimeout	
frcdSwTimRef	
frcdSwTimRefT4	
frcdWkSwBk	
frcdWkSwBkVTS1	
frcdWkSwBkVTS10	
frcdWkSwBkVTS2	
frcdWkSwBkVTS3	
frcdWkSwBkVTS4	
frcdWkSwBkVTS5	
frcdWkSwBkVTS6	
frcdWkSwBkVTS7	
frcdWkSwBkVTS8	
frcdWkSwBkVTS9	
frcdWkSwPr	
frcdWkSwPrVTS1	
frcdWkSwPrVTS10	
frcdWkSwPrVTS2	
frcdWkSwPrVTS3	
frcdWkSwPrVTS4	
frcdWkSwPrVTS5	
frcdWkSwPrVTS6	

(7 of 32)

Name	Value
frcdWkSwPrVTS7	
frcdWkSwPrVTS8	
frcdWkSwPrVTS9	
frngSync	
fwPendingObsolete	
fwUpgradePending	
fwVersionNotDefault	
gfpLof	
GFPLOFOUT	
gfpSsf	
gfpUpm	
hdFail	
hdFull	
hiBer	
highGain	
hldOvrSync	
hpPlmP	
hpRdiP	
hpUneqP	
hwRevisionNotSupported	
igmpSnpgSrcLimitExceed	
imageNotReady	
incompatFan	
inhMsgPmRept	
init	
inMigration	
int	
intErr	
intrusion	
intrusionEvt	
intSft	
intTemp	
intTempHigh	
intTempLow	
intTempOpt	
invalidEgress	
invalidThreshold	

(8 of 32)

Name	Value
invalidThresholdOms	
invalidThresholdOts	
invalidTopo	
inventoryError	
keyDomainErr	
lagDeg	
lagLos	
lagPortAddFailed	
lagSubGrpSelect	
lanLfi	
lanLol	
lanLos	
lanRfi	
lanSf	
laserBackFacetOptPwrTca	
laserCoolingCurTca	
laserEOL	
laserOffLpbk	
lck	
lckOut	
lckTcm	
ledState	
lfd	
lfiEgr	
linkDiviersity	
linkDown	
linkoamLoopDetected	
linkoamNonThresh	
linkoamPeerChng	
linkUp	
loam	
lockedIndicationEgress	
lockoutOfPr	
lockoutOfPrVTS1	
lockoutOfPrVTS10	
lockoutOfPrVTS2	
lockoutOfPrVTS3	

(9 of 32)

Name	Value
lockoutOfPrVTS4	
lockoutOfPrVTS5	
lockoutOfPrVTS6	
lockoutOfPrVTS7	
lockoutOfPrVTS8	
lockoutOfPrVTS9	
lockoutOfTimRef	
lockoutOfTimRefT4	
lockoutToPr	
lof	
lofEgr	
lofLom	
lofLomOut	
lofO	
loGain	
logBuf90SecuLog	
logBufOvflSecuLog	
lol	
lopPauLop	
los	
losDcm	
losEdfa	
losLdSig	
losO	
losOamp	
losOcm	
losOms	
losOOut	
losOts	
losOut	
losP	
losPId	
lossOfLock	
lostClock	
lotOut	
lpbkLine	
lpbkTerm	

(10 of 32)

Name	Value
IspFailedApe	
IspFailedPre	
IspFailedTp	
IspFailedUnprot	
IspFailedXc	
IsrOutDgr	
Iss	
IssEgr	
ItcTcm	
man	
manLR	
manReset	
manSwTimRef	
manSwTimRefT4	
manSwToInt	
manSwToPri	
manSwToSec	
manWkSwBk	
manWkSwBkVTS1	
manWkSwBkVTS10	
manWkSwBkVTS2	
manWkSwBkVTS3	
manWkSwBkVTS4	
manWkSwBkVTS5	
manWkSwBkVTS6	
manWkSwBkVTS7	
manWkSwBkVTS8	
manWkSwBkVTS9	
manWkSwPr	
manWkSwPrVTS1	
manWkSwPrVTS10	
manWkSwPrVTS2	
manWkSwPrVTS3	
manWkSwPrVTS4	
manWkSwPrVTS5	
manWkSwPrVTS6	
manWkSwPrVTS7	

(11 of 32)

Name	Value
manWkSwPrVTS8	
manWkSwPrVTS9	
mepAIS	
mepError	
mepLoc	
mepMacError	
mepMmg	
mepRemote	
mepXcon	
mirrorDestDisable	
mirrorDestEnable	
mirrorSrcDisable	
mirrorSrcEnable	
mismatch	
mismatchFiber	
mismatchSfpXfp	
missing	
mixedPFUsed	
mjTca	
mnTca	
mod	
modOutOOR	
msim	
mtcesurv	
mtcesurvDgr	
neAIs	
neFlt	
neModeMismatch	
net	
netCraft	
neUnreachable	
nkm	
nodeDeg	
notUsed1	
notUsed2	
notUsed3	
notUsed4	

(12 of 32)

Name	Value
ntpChkSig	
ntpClkAdj	
ntpLor	
ntpOoSync	
nunvComm	
nunvConfig	
nunvIndetermined	
nunvReversion	
nunvTpBlocked	
nunvTransmission	
nvMismatch	
oaPumpBiasCurrHigh	
oaPumpTempHigh	
objCreated	
objDeleted	
ochCollision	
ochCollisionOut	
ochFdi	
ochIntErr	
ochKeyDup	
ochKeyOverlap	
ochKeysReused	
ochKeyUnavail	
ochMissing	
ochPdi	
ochPwrUnstable	
ochTrailDup	
ochTrailUnknown	
ochUnknown	
ochUnknownOut	
oci	
ociOut	
ociTcm	
ocsAuditFail	
ocsAuditSuccess	
ocsDataFlt	
ocsDataRtrv	

(13 of 32)

Name	Value
ocsUnavail	
ocsUplinkDeleted	
oduAis	
oduAisEgress	
oduAisOut	
omsSSF	
openConnectionIndicationEgress	
opr	
oprIngress	
oprLossHigh	
oprLossLow	
oprOOR	
oprOut	
oprPwrHigh	
oprPwrLow	
oprTx	
oprUnachieve	
opticalParamErr	
optIntBase	
optIntDet	
optIntSusp	
oscSsf	
OSNRMESC	
ospfAdj	
otmcpf	
otuAis	
ovrId	
payloadTypeMismatchEgress	
pcsGeneratorActive	
pdi	
pdiPauPdi	
PGFPGAFAIL1	
PGFPGAFAIL2	
PGFPGAFAIL3	
PGFPGAFAIL4	
PGFPGAFAIL5	
PGFPGAINIT1	

(14 of 32)

Name	Value
PGFPGAINIT2	
PGFPGAINIT3	
PGFPGAINIT4	
PGFPGAINIT5	
pIm	
pImOduOut	
pImPauPlm	
ppsLos	
prcdrErr	
prcdrErrOut	
prcdrErrTopo	
prcdrErrTopoOut	
PTPFREERUN	
PTPGMDEGRADE	
PTPGMSWITCH	
PTPPATHSWITCH	
PTPPORTSWITCH	
PTPREFLOSS	
PTPREFUNSTABLE	
pwr	
pwrAdjComms	
pwrAdjFail	
pwrAdjFailAdd	
pwrAdjFailDrp	
pwrAdjReq	
pwrAdjReqAdd	
pwrAdjReqDrp	
pwrAImp	
pwrEdfaMargin	
pwrFan	
pwrMargin	
pwrMaxGain	
pwrMgtOff	
pwrSusp	
pwrSuspOut	
pwrTiltParams	
pwrTiltSusp	

(15 of 32)

Name	Value
pwrUnbalance	
pwrUnbalanceOms	
ramanSup	
rcvrOptProg	
rdi	
rdiL	
readyToRevert	
replUnitMiss	
replUnitMissMOD	
reRouted	
restorationDisabled	
rfi	
rfiEgr	
rfiLmsRfi	
rfiPauRfi	
rmdCesChannelLPL	
rmdCesChannelNoTdmPl	
rmdCesChannelRPL	
rmdDiscoveredDevice	
rmdDNR	
rmdEQF	
rmdIfEFMLOP	
rmdIfLOS	
rmdIfMauANM	
rmdIfMauEQF	
rmdIfMauLOS	
rmdIfMauUNI	
rmdIfMauWUP	
rmdJbRecentered	
rmdMepLOC	
rmdMepMMG	
rmdMepRDI	
rmdMepUNL	
rmdMepUNM	
rmdMepUNP	
rmdNDF	
rmdNimLOF	

(16 of 32)

Name	Value
rmdPWR	
rmdTypeMismatch	
rmdUnknownEcid	
rmdWDP	
rmdWrongDestMac	
routeNotPossible	
sapOperDown	
sapStateChng	
sapTlsMacAddrLimitAlarm	
sd	
sdegO	
seepScrub	
serverSignalFailureEgress	
sf	
sfMismatch	
sfpEOL	
sfpReceiverPwrOOR	
sfpTempOOR	
sfpTrmtPwrOOR	
sft	
shelfInVoltHigh	
shelfInVoltLow	
signalDegradeEgress	
SLCBOOTCONTCOM	
SLCCARDINIT	
SLCCLKSYNC	
SLCCONTCOM	
SLCDATAFLT	
SLCEQPTBOOT	
SLCMISMATCH	
SLCNOTINSERVICE	
slcr	
sltmSig	
spLoAdjFail	
srgDiviersity	
srTca	
ssf	

(17 of 32)

Name	Value
ssfCltEgr	
ssfOdu	
ssfOduOut	
ssfOduTp	
ssfOtu	
SSFSECTION	
SSFSECTIONOUT	
ssfTcm	
subNodeUnreachable	
svcOperDown	
svcStateChng	
svcTlsFwdTblFullAlarm	
svcTlsMfibTblFullAlarm	
swEqpt	
swftDwn	
swMtxMod	
swToSec	
swUpgCommit	
swUpgFail	
swUpgrade	
sync	
syncActRef	
syncClk	
syncClkFail	
syncClkFrng	
syncClkHldovr	
syncClkMode	
syncClkUnit	
syncCommand	
syncEqpt	
syncIfTimingHoldover	
syncIfTimingRef1Alarm	
syncIfTimingRef2Alarm	
SYNCLOSS	
syncMode	
syncOos	
syncOosT4	

(18 of 32)

Name	Value
syncRefFail	
syncRefUnEq	
syncStatChng	
syncSys	
syncSysOos	
syncT4Out	
sysBoot	
sysInit	
systemReady	
tBbeMs15Min	
tBbeMs1Day	
tBbeOdu15Min	
tBbeOdu15MinOut	
tBbeOdu1Day	
tBbeOdu1DayOut	
tBbeOtu15Min	
tBbeOtu1Day	
tBbeP15Min	
tBbeP1Day	
tBbePt15Min	
tBbePt1Day	
tBbeRs15Min	
tBbeRs1Day	
tBbeRst15Min	
tBbeRst1Day	
tBbeTcm15Min	
tBbeTcm1Day	
tBerPostFec15min	
tBerPostFec1day	
tBerPreFec15min	
tBerPreFec1day	
tBiaesOtu15Min	
tBiaesOtu1Day	
tBiaesTcm15Min	
tBiaesTcm1Day	
tcmAis	
tCv15Min	

(19 of 32)

Name	Value
tCv1Day	
tCvPcs15Min	
tCvPcs1Day	
tCvPcst15Min	
tCvPcst1Day	
tCvs15Min	
tCvs1Day	
tCvst15Min	
tCvst1Day	
termOc192stm64	
termOc312stm14	
termOc48stm16	
termOtu1	
termOtu2	
tEs15Min	
tEs1Day	
tEsL15Min	
tEsL1Day	
tEsMs15Min	
tEsMs1Day	
tEsOdu15Min	
tEsOdu15MinOut	
tEsOdu1Day	
tEsOdu1DayOut	
tEsOtu15Min	
tEsOtu1Day	
tEsP15Min	
tEsP1Day	
tEsPcs15Min	
tEsPcs1Day	
tEsPcst15Min	
tEsPcst1Day	
tEsPt15Min	
tEsPt1Day	
tEsRs15Min	
tEsRs1Day	
tEsRst15Min	

(20 of 32)

Name	Value
tEsRst1Day	
tEss15Min	
tEss1Day	
tEsst15Min	
tEsst1Day	
tEsTcm15Min	
tEsTcm1Day	
testMode	
tEthpkter15Min	
tEthpkter1Day	
tEthpktert15Min	
tEthpktert1Day	
tFebbeMs15Min	
tFebbeMs1Day	
tFebbeOdu15Min	
tFeBbeOdu15MinOut	
tFebbeOdu1Day	
tFeBbeOdu1DayOut	
tFebbeOtu15Min	
tFebbeOtu1Day	
tFebbeTcm15Min	
tFebbeTcm1Day	
tFecc15Min	
tFecc1Day	
tFecUbc15Min	
tFecUbc1Day	
tFecUbu15Min	
tFecUbu1Day	
tFeesMs15Min	
tFeesMs1Day	
tFeesOdu15Min	
tFeEsOdu15MinOut	
tFeesOdu1Day	
tFeEsOdu1DayOut	
tFeesOtu15Min	
tFeesOtu1Day	
tFeesTcm15Min	

(21 of 32)

Name	Value
tFeesTcm1Day	
tFesesMs15Min	
tFesesMs1Day	
tFesesOdu15Min	
tFeSesOdu15MinOut	
tFesesOdu1Day	
tFeSesOdu1DayOut	
tFesesOtu15Min	
tFesesOtu1Day	
tFesesTcm15Min	
tFesesTcm1Day	
tFeuasMs15Min	
tFeuasMs1Day	
tFeuasOdu15Min	
tFeUasOdu15MinOut	
tFeuasOdu1Day	
tFeUasOdu1DayOut	
tFeuasOtu15Min	
tFeuasOtu1Day	
tFeuasTcm15Min	
tFeuasTcm1Day	
tIaesOtu15Min	
tIaesOtu1Day	
tIaesTcm15Min	
tIaesTcm1Day	
tim	
timOdu	
timOduOut	
timTcm	
toDDEG	
toDLOS	
TODREFUNSTABLE	
tOprh15Min	
tOprh1Day	
tOprhLane1	
tOprhLane10	
tOprhLane2	

(22 of 32)

Name	Value
tOprhLane3	
tOprhLane4	
tOprhLane5	
tOprhLane6	
tOprhLane7	
tOprhLane8	
tOprhLane9	
tOprl15Min	
tOprl1Day	
tOprlLane1	
tOprlLane10	
tOprlLane2	
tOprlLane3	
tOprlLane4	
tOprlLane5	
tOprlLane6	
tOprlLane7	
tOprlLane8	
tOprlLane9	
tOpth15Min	
tOpth1Day	
tOpthLane1	
tOpthLane10	
tOpthLane2	
tOpthLane3	
tOpthLane4	
tOpthLane5	
tOpthLane6	
tOpthLane7	
tOpthLane8	
tOpthLane9	
tOptl15Min	
tOptl1Day	
tOptlLane1	
tOptlLane10	
tOptlLane2	
tOptlLane3	

(23 of 32)

Name	Value
tOptILane4	
tOptILane5	
tOptILane6	
tOptILane7	
tOptILane8	
tOptILane9	
tPmonDmaBfd15Min	
tPmonDmaBfd1Day	
tPmonDmaffd15Min	
tPmonDmaffd1Day	
tPmonDmafFdv15Min	
tPmonDmafFdv1Day	
tPmonDmanfd15Min	
tPmonDmanfd1Day	
tPmonDmanFdv15Min	
tPmonDmanFdv1Day	
tPmonDmxBfd15Min	
tPmonDmxBfd1Day	
tPmonDmxffd15Min	
tPmonDmxffd1Day	
tPmonDmxfFdv15Min	
tPmonDmxfFdv1Day	
tPmonDmxnfd15Min	
tPmonDmxnfd1Day	
tPmonDmxnFdv15Min	
tPmonDmxnFdv1Day	
tPmonLmaffIr15Min	
tPmonLmaffIr1Day	
tPmonLmanfIr15Min	
tPmonLmanfIr1Day	
tPmonLmfhIi15Min	
tPmonLmfhIi1Day	
tPmonLmnhIi15Min	
tPmonLmnhIi1Day	
tPmonLmxffIr15Min	
tPmonLmxffIr1Day	
tPmonLmxnfIr15Min	

(24 of 32)

Name	Value
tPmonLmxnfIr1Day	
tPmonPortHighCapacityOctets15Min	
tPmonPortHighCapacityOctets1Day	
tPmonPortHighCapacityPkts15Min	
tPmonPortHighCapacityPkts1Day	
tPmonPortIfInDiscards15Min	
tPmonPortIfInDiscards1Day	
tPmonPortIfInErrors15Min	
tPmonPortIfInErrors1Day	
tPmonPortIfInOctets15Min	
tPmonPortIfInOctets1Day	
tPmonPortIfInPackets	
tPmonPortIfInPackets15Min	
tPmonPortIfOutDiscards15Min	
tPmonPortIfOutDiscards1Day	
tPmonPortIfOutErrors15Min	
tPmonPortIfOutErrors1Day	
tPmonPortIfOutOctets15Min	
tPmonPortIfOutOctets1Day	
tPmonPortIfOutPackets15Min	
tPmonPortIfOutPackets1Day	
tPmonPortQueue1OctetsDropped15Min	
tPmonPortQueue1OctetsDropped1Day	
tPmonPortQueue1PktsDropped15Min	
tPmonPortQueue1PktsDropped1Day	
tPmonPortQueue2OctetsDropped15Min	
tPmonPortQueue2OctetsDropped1Day	
tPmonPortQueue2PktsDropped15Min	
tPmonPortQueue2PktsDropped1Day	
tPmonPortQueue3OctetsDropped15Min	
tPmonPortQueue3OctetsDropped1Day	
tPmonPortQueue3PktsDropped15Min	
tPmonPortQueue3PktsDropped1Day	
tPmonPortQueue4OctetsDropped15Min	
tPmonPortQueue4OctetsDropped1Day	
tPmonPortQueue4PktsDropped15Min	
tPmonPortQueue4PktsDropped1Day	

(25 of 32)

Name	Value
tPmonPortQueue5OctetsDropped15Min	
tPmonPortQueue5OctetsDropped1Day	
tPmonPortQueue5PktsDropped15Min	
tPmonPortQueue5PktsDropped1Day	
tPmonPortQueue6OctetsDropped15Min	
tPmonPortQueue6OctetsDropped1Day	
tPmonPortQueue6PktsDropped15Min	
tPmonPortQueue6PktsDropped1Day	
tPmonPortQueue7OctetsDropped15Min	
tPmonPortQueue7OctetsDropped1Day	
tPmonPortQueue7PktsDropped15Min	
tPmonPortQueue7PktsDropped1Day	
tPmonPortQueue8OctetsDropped15Min	
tPmonPortQueue8OctetsDropped1Day	
tPmonPortQueue8PktsDropped15Min	
tPmonPortQueue8PktsDropped1Day	
tPmonSapIngressOctetsDropped15Min	
tPmonSapIngressOctetsDropped1Day	
tPmonSapIngressPktsDropped15Min	
tPmonSapIngressPktsDropped1Day	
tPmonSImaffIr15Min	
tPmonSImafFIr1Day	
tPmonSImaffIrContinuous	
tPmonSImanfIr15Min	
tPmonSImanFIr1Day	
tPmonSImanfIrContinuous	
tPmonSImfhIi15Min	
tPmonSImfhIi1Day	
tPmonSImfhIiContinuous	
tPmonSImnhIi15Min	
tPmonSImnhIi1Day	
tPmonSImnhIiContinuous	
tPmonSImxfFIr1Day	
tPmonSImxffIrContinuous	
tPmonSImxnFIr1Day	
tPmonSImxnfIrContinuous	
tPostFec15Min	

(26 of 32)

Name	Value
tPostFec1Day	
tPreFec15Min	
tPreFec1Day	
trailTraceIdentifierMismatchEgress	
transferLogFL	
transferLogFT	
transferLogIP	
trmt	
trmtMOD	
TRUBRKROPEN	
tSefs15Min	
tSefs1Day	
tSefsPcs15Min	
tSefsPcs1Day	
tSefsPcst15Min	
tSefsPcst1Day	
tSefss15Min	
tSefss1Day	
tSefsst15Min	
tSefsst1Day	
tSes15Min	
tSes1Day	
tSesL15Min	
tSesL1Day	
tSesMs15Min	
tSesMs1Day	
tSesOdu15Min	
tSesOdu15MinOut	
tSesOdu1Day	
tSesOdu1DayOut	
tSesOtu15Min	
tSesOtu1Day	
tSesP15Min	
tSesP1Day	
tSesPcs15Min	
tSesPcs1Day	
tSesPcst15Min	

(27 of 32)

Name	Value
tSesPcst1Day	
tSesPt15Min	
tSesPt1Day	
tSesRs15Min	
tSesRs1Day	
tSesRst15Min	
tSesRst1Day	
tSess15Min	
tSess1Day	
tSesst15Min	
tSesst1Day	
tSesTcm15Min	
tSesTcm1Day	
tsMismatch	
tsMismatchOut	
tUasMs15Min	
tUasMs1Day	
tUasOdu15Min	
tUasOdu15MinOut	
tUasOdu1Day	
tUasOdu1DayOut	
tUasOtu15Min	
tUasOtu1Day	
tUasP15Min	
tUasP1Day	
tUasPt15Min	
tUasPt1Day	
tUasRs15Min	
tUasRs1Day	
tUasRst15Min	
tUasRst1Day	
tUasTcm15Min	
tUasTcm1Day	
unexWkSet	
unknown	
unknownNotif	
unknownSfpXfp	

(28 of 32)

Name	Value
unL	
unM	
unMOrUnP	
unP	
unPr	
upm	
uruOchLos	
uruOmsRx	
uruOmsTx	
uruOtsLos	
uruOtsRx	
uruOtsTx	
uruOtu	
uruS	
usAis	
usAIs	
userEqptMismatch	
usFlt	
usIdle	
usLos	
usOchCollision	
usSFEber	
vcgDown	
vcgLoa	
vcgMap	
vcgSsf	
vcMfi	
voltage	
voltageHigh	
voltageLow	
vtsConnCreation	
vtsFdi	
vtsFdi1	
vtsFdi10	
vtsFdi11	
vtsFdi12	
vtsFdi13	

(29 of 32)

Name	Value
vtsFdi14	
vtsFdi15	
vtsFdi16	
vtsFdi17	
vtsFdi18	
vtsFdi19	
vtsFdi2	
vtsFdi20	
vtsFdi21	
vtsFdi22	
vtsFdi23	
vtsFdi24	
vtsFdi25	
vtsFdi26	
vtsFdi27	
vtsFdi28	
vtsFdi29	
vtsFdi3	
vtsFdi30	
vtsFdi31	
vtsFdi32	
vtsFdi4	
vtsFdi5	
vtsFdi6	
vtsFdi7	
vtsFdi8	
vtsFdi9	
vtsOci	
vtsOci1	
vtsOci10	
vtsOci11	
vtsOci12	
vtsOci13	
vtsOci14	
vtsOci15	
vtsOci16	
vtsOci17	

(30 of 32)

Name	Value
vtsOci18	
vtsOci19	
vtsOci2	
vtsOci20	
vtsOci21	
vtsOci22	
vtsOci23	
vtsOci24	
vtsOci25	
vtsOci26	
vtsOci27	
vtsOci28	
vtsOci29	
vtsOci3	
vtsOci30	
vtsOci31	
vtsOci32	
vtsOci4	
vtsOci5	
vtsOci6	
vtsOci7	
vtsOci8	
vtsOci9	
warnTca	
wkSwBk	
wkSwPr	
wkSwPrVTS1	
wkSwPrVTS10	
wkSwPrVTS2	
wkSwPrVTS3	
wkSwPrVTS4	
wkSwPrVTS5	
wkSwPrVTS6	
wkSwPrVTS7	
wkSwPrVTS8	
wkSwPrVTS9	
wtocmaPoutRanOsnr	

(31 of 32)

Name	Value
wtr	

(32 of 32)

Table 202-4 Default Severity

Name	Value
Displayed name	Default Severity
OSS name	defaultSeverity
Type	optical.TrapCategory
Mandatory on creation	yes
Tab|Panel	General|General
Description	Default severity
Enumerated types	
Critical	
General Event	
Major	
Minor	
None	
Not Alarmed	
Not Reported	
Security	
State Change	
Unknown	
Warning	

Table 202-5 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	optical.AlarmCategoryDirection
Mandatory on creation	yes
Tab|Panel	General|General
Enumerated types	
None	
RX	

(1 of 2)

Name	Value
TX	

(2 of 2)

Table 202-6 Override Severity

Name	Value
Displayed name	Override Severity
OSS name	severity
Type	optical.TrapCategory
Tab|Panel	General|General
Description	Override severity
Enumerated types	
Critical	
General Event	
Major	
Minor	
None	
Not Alarmed	
Not Reported	
Security	
State Change	
Unknown	
Warning	

Table 202-7 VTS Map Number

Name	Value
Displayed name	VTS Map Number
OSS name	vtsMapVts
Type	LONG
Minimum	1
Maximum	100
Mandatory on creation	yes
Tab|Panel	General|General
Description	The VTS number. Value range: 1 to 100.

203 —VTS Channel

Table 203-1 VTS Channel parameters

Parameters	
Accounting Policy	Hold Time Units
Accounting Policy	Hold Time Up
Actual Speed	HSMDA Egress Scheduler Policy
Administrative State	Interface ID
Administrative State	L2 Profile
APS Common Configuration	L2Uplink
APS Protected	Link Trap
Automatic VLAN Binding	Link Up
Background Diagnostics Fault Reason	Load Balance Algorithm
Background Diagnostics State	Local Channel ID
Channel Type	Manufacture Date
Class	Manufacturer
CLEI Code	Manufacturing Assembly No
CLI Name	Manufacturing Deviations
Collect Accounting Statistics	Manufacturing Variant
Collect Accounting Statistics	Mode
Configured MAC	MTU
Containing Equipment Status	Name
Description	Network Queue Policy Name
Encap Type	Operational State
Equipped	Operational State
Hardware Class	Parent Interface ID
Hardware MAC	Parent Name
Holding IGH	Part Number
Hold Time Down	Port Scheduler Policy

(1 of 2)

Parameters	
Port Usage	Serial Number
Previous State	Site ID
Queue 1	Site Name
Queue 2	Speed
Queue 3	State
Queue 4	Status
Queue 5	Subrack Connection
Queue 6	UNI Profile
Queue 7	User label
Queue 8	

(2 of 2)

Table 203-2 Accounting Policy

Name	Value
Displayed name	Accounting Policy
OSS name	accountingPolicyObjectPointer
Type	POINTER
Tab|Panel	Policies.General|Accounting

Table 203-3 Accounting Policy

Name	Value
Displayed name	Accounting Policy
OSS name	etherAccountingPolicyObjectPointer
Type	POINTER
Tab|Panel	Policies.General|Ethernet Accounting

Table 203-4 Actual Speed

Name	Value
Displayed name	Actual Speed
OSS name	actualSpeed
Type	LONG
Default	0
Units	kbps
Read-only	yes
Tab|Panel	General|General

Table 203-5 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	opticalequipment.AdministrativeState
Default	noop
Tab|Panel	General|Equipment

Table 203-6 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	opticalequipment.AdministrativeState
Default	noop
Tab|Panel	States|General

Table 203-7 APS Common Configuration

Name	Value
Displayed name	APS Common Configuration
OSS name	isCommonApsConfiguration
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	General|General

Table 203-8 APS Protected

Name	Value
Displayed name	APS Protected
OSS name	isApsProtected
Type	BOOL
Default	false
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|General

(2 of 2)

Table 203-9 Automatic VLAN Binding

Name	Value
Displayed name	Automatic VLAN Binding
OSS name	vlanAutoBind
Type	BOOL
Default	true
Tab|Panel	General|General

Table 203-10 Background Diagnostics Fault Reason

Name	Value
Displayed name	Background Diagnostics Fault Reason
OSS name	backgroundDiagnosticsFaultReason
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 203-11 Background Diagnostics State

Name	Value
Displayed name	Background Diagnostics State
OSS name	backgroundDiagnosticsState
Type	opticalequipment.BackgroundDiagnosticsStateType
Default	unknown
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 203-12 Channel Type

Name	Value
Displayed name	Channel Type

(1 of 2)

Name	Value
OSS name	portChannelType
Type	opticalequipment.DaughterCardChannelType
Default	unknown
Mandatory on creation	yes
Tab|Panel	General|General

(2 of 2)

Table 203-13 Class

Name	Value
Displayed name	Class
OSS name	portClass
Type	opticalequipment.PortClass
Default	none
Read-only	yes
Tab|Panel	General|General

Table 203-14 CLEI Code

Name	Value
Displayed name	CLEI Code
OSS name	cleiCode
Type	STRING
Minimum	0
Maximum	16
Read-only	yes
Tab|Panel	General|Equipment Location Codes

Table 203-15 CLI Name

Name	Value
Displayed name	CLI Name
OSS name	portName
Type	STRING
Maximum	252
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|General

(2 of 2)

Table 203-16 Collect Accounting Statistics

Name	Value
Displayed name	Collect Accounting Statistics
OSS name	collectStats
Type	BOOL
Default	true
Tab|Panel	Policies.General|Accounting

Table 203-17 Collect Accounting Statistics

Name	Value
Displayed name	Collect Accounting Statistics
OSS name	etherCollectStats
Type	BOOL
Default	false
Tab|Panel	Policies.General|Ethernet Accounting

Table 203-18 Configured MAC

Name	Value
Displayed name	Configured MAC
OSS name	macAddress
Type	MACADDR
Default	00-00-00-00-00-00
Tab|Panel	General|General

Table 203-19 Containing Equipment Status

Name	Value
Displayed name	Containing Equipment Status
OSS name	containingEquipmentState

(1 of 2)

Name	Value
Type	opticalequipment.ContainingEquipmentState
Default	indeterminate
Read-only	yes
Tab|Panel	States|General

(2 of 2)

Table 203-20 Description

Name	Value
Displayed name	Description
OSS name	description
Type	STRING
Minimum	0
Maximum	256
Tab|Panel	General|General

Table 203-21 Encap Type

Name	Value
Displayed name	Encap Type
OSS name	encapType
Type	opticalequipment.PortEncapType
Default	nullEncap
Tab|Panel	General|General

Table 203-22 Equipped

Name	Value
Displayed name	Equipped
OSS name	isEquipped
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	States|General

Table 203-23 Hardware Class

Name	Value
Displayed name	Hardware Class
OSS name	hardwareClass
Type	opticalequipment.HardwareClassType
Default	no
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 203-24 Hardware MAC

Name	Value
Displayed name	Hardware MAC
OSS name	hwMacAddress
Type	MACADDR
Default	00-00-00-00-00-00
Read-only	yes
Tab|Panel	General|General

Table 203-25 Holding IGH

Name	Value
Displayed name	Holding IGH
OSS name	memberOfIGH
Type	POINTER
Read-only	yes
Tab|Panel	General|IGH Membership
Description	ECMP fate sharing group membership

Table 203-26 Hold Time Down

Name	Value
Displayed name	Hold Time Down
OSS name	holdTimeDown
Type	INT

(1 of 2)

Name	Value
Minimum	0
Maximum	5
Default	0
Units	seconds
Tab|Panel	General|Hold Time

(2 of 2)

Table 203-27 Hold Time Units

Name	Value
Displayed name	Hold Time Units
OSS name	holdTimeUnits
Type	opticalequipment.HoldTimeUnitsType
Default	0
Tab|Panel	General|Hold Time

Table 203-28 Hold Time Up

Name	Value
Displayed name	Hold Time Up
OSS name	holdTimeUp
Type	INT
Minimum	0
Maximum	5
Default	0
Units	seconds
Tab|Panel	General|Hold Time

Table 203-29 HSMDA Egress Scheduler Policy

Name	Value
Displayed name	HSMDA Egress Scheduler Policy
OSS name	portEgrHsmdaSchedulerPolicy
Type	POINTER
Tab|Panel	Policies.General|HSMDA Scheduler
Description	Specifies the hsmda scheduler policy used by this port

Table 203-30 Interface ID

Name	Value
Displayed name	Interface ID
OSS name	snmpPortId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|General

Table 203-31 L2 Profile

Name	Value
Displayed name	L2 Profile
OSS name	l2ProfilePointer
Type	POINTER
Tab|Panel	Policies.General|L2 Profile
Description	Pointer to the L2 Profile Policy object.

Table 203-32 L2Uplink

Name	Value
Displayed name	L2Uplink
OSS name	isl2UplinkMode
Type	BOOL
Default	false
Tab|Panel	General|General

Table 203-33 Link Trap

Name	Value
Displayed name	Link Trap
OSS name	linkTrap
Type	INT
Default	disable
Tab|Panel	General|General

Table 203-34 Link Up

Name	Value
Displayed name	Link Up
OSS name	isLinkUp
Type	BOOL
Default	false
Read-only	yes
Tab|Panel	States|General

Table 203-35 Load Balance Algorithm

Name	Value
Displayed name	Load Balance Algorithm
OSS name	loadBalanceAlgorithm
Type	equipment.PortLoadBalanceAlgorithm
Default	N/A
Tab|Panel	General|General
Description	Specifies the load balancing algorithm to be used on this port.
Enumerated types	
Default	
Exclude L4	
Include L4	
N/A	

Table 203-36 Local Channel ID

Name	Value
Displayed name	Local Channel ID
OSS name	displayedLocalChannelId
Type	STRING
Maximum	100
Mandatory on creation	yes
Tab|Panel	General|General
Description	This attribute will be ignored on creation of a APS Common Configuration Sonet Channel (sts3) Since the box will pick one as it very own, based on the portId of the physical port bound to the working circuit. This attribute will not be ignored on creation of a APS Common Configuration Sonet Channel when deep channels are supported (currently only on ASAP MDA).

Table 203-37 Manufacture Date

Name	Value
Displayed name	Manufacture Date
OSS name	manufactureDate
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 203-38 Manufacturer

Name	Value
Displayed name	Manufacturer
OSS name	manufacturer
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 203-39 Manufacturing Assembly No

Name	Value
Displayed name	Manufacturing Assembly No
OSS name	manufacturingAssemblyNo
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 203-40 Manufacturing Deviations

Name	Value
Displayed name	Manufacturing Deviations
OSS name	manufacturingDeviations
Type	STRING
Read-only	yes

(1 of 2)

Name	Value
Tab|Panel	General|Manufacturer Details

(2 of 2)

Table 203-41 Manufacturing Variant

Name	Value
Displayed name	Manufacturing Variant
OSS name	manufacturingVariant
Type	STRING
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 203-42 Mode

Name	Value
Displayed name	Mode
OSS name	mode
Type	opticalequipment.PortMode
Default	undefined
Tab|Panel	General|General

Table 203-43 MTU

Name	Value
Displayed name	MTU
OSS name	mtuValue
Type	INT
Default	0
Units	bytes
Tab|Panel	General|General

Table 203-44 Name

Name	Value
Displayed name	Name

(1 of 2)

Name	Value
OSS name	displayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|General

(2 of 2)

Table 203-45 Network Queue Policy Name

Name	Value
Displayed name	Network Queue Policy Name
OSS name	networkQueuePolicyName
Type	STRING
Minimum	1
Maximum	32
Default	default
Read-only	yes
Tab|Panel	Policies.General|Network Queue

Table 203-46 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	opticalequipment.OperationalState
Default	unknown
Read-only	yes
Tab|Panel	General|Equipment

Table 203-47 Operational State

Name	Value
Displayed name	Operational State
OSS name	operationalState
Type	opticalequipment.OperationalState
Default	unknown

(1 of 2)

Name	Value
Read-only	yes
Tab|Panel	States|General

(2 of 2)

Table 203-48 Parent Interface ID

Name	Value
Displayed name	Parent Interface ID
OSS name	parentSnmpPortId
Type	LONG
Default	0
Read-only	yes
Tab|Panel	General|ParentInfo

Table 203-49 Parent Name

Name	Value
Displayed name	Parent Name
OSS name	parentDisplayedName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|ParentInfo

Table 203-50 Part Number

Name	Value
Displayed name	Part Number
OSS name	manufacturerBoardNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 203-51 Port Scheduler Policy

Name	Value
Displayed name	Port Scheduler Policy
OSS name	portSchedulerPolicyObjectPointer
Type	POINTER
Tab|Panel	Policies.General|Port Scheduler
Description	Specifies the port scheduler policy used by this port

Table 203-52 Port Usage

Name	Value
Displayed name	Port Usage
OSS name	portUsage
Type	INT
Default	0
Tab|Panel	General|Port Usage

Table 203-53 Previous State

Name	Value
Displayed name	Previous State
OSS name	previousState
Type	opticalequipment.PortState
Default	1
Read-only	yes
Tab|Panel	States|General

Table 203-54 Queue 1

Name	Value
Displayed name	Queue 1
OSS name	portStatsQueue1PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 203-55 Queue 2

Name	Value
Displayed name	Queue 2
OSS name	portStatsQueue2PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 203-56 Queue 3

Name	Value
Displayed name	Queue 3
OSS name	portStatsQueue3PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 203-57 Queue 4

Name	Value
Displayed name	Queue 4
OSS name	portStatsQueue4PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 203-58 Queue 5

Name	Value
Displayed name	Queue 5
OSS name	portStatsQueue5PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 203-59 Queue 6

Name	Value
Displayed name	Queue 6
OSS name	portStatsQueue6PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 203-60 Queue 7

Name	Value
Displayed name	Queue 7
OSS name	portStatsQueue7PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 203-61 Queue 8

Name	Value
Displayed name	Queue 8
OSS name	portStatsQueue8PktsFWd
Type	BOOL
Default	false
Tab|Panel	Policies.General|Egress Packets Forwarding

Table 203-62 Serial Number

Name	Value
Displayed name	Serial Number
OSS name	serialNumber
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Manufacturer Details

Table 203-63 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	64
Read-only	yes
Tab|Panel	General|Equipment

Table 203-64 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Maximum	252
Read-only	yes
Tab|Panel	General|Equipment

Table 203-65 Speed

Name	Value
Displayed name	Speed
OSS name	speed
Type	equipment.Speed
Default	0
Units	Mbps
Tab|Panel	General|General
Enumerated types	
Auto Speed	
10	
100	
1000	
10000	
100000	
25000	

(1 of 2)

Name	Value
40000	
Line Rate	
Not Applicable	
Not Available	
OC12	
OC192	
OC3	
OC48	
OC768	
56 kbit/s	
64 kbit/s	
Max100	
Max1000	

(2 of 2)

Table 203-66 State

Name	Value
Displayed name	State
OSS name	state
Type	opticalequipment.PortState
Default	1
Read-only	yes
Tab|Panel	States|General

Table 203-67 Status

Name	Value
Displayed name	Status
OSS name	compositeEquipmentState
Type	opticalequipment.CompositeEquipmentState
Default	indeterminate
Read-only	yes
Tab|Panel	States|General

Table 203-68 Subrack Connection

Name	Value
Displayed name	Subrack Connection
OSS name	mptSubrackPointer
Type	POINTER
Default	no
Tab|Panel	General|Port Usage
Description	specifies where the MPT is connected to on the subrack

Table 203-69 UNI Profile

Name	Value
Displayed name	UNI Profile
OSS name	uniProfilePointer
Type	POINTER
Tab|Panel	Policies.General|UNI Profile
Description	Pointer to the UNI Profile Policy object.

Table 203-70 User label

Name	Value
Displayed name	User label
OSS name	userLabel
Type	STRING
Maximum	15
Default	no
Tab|Panel	General|General

204 —VTS Connection

Table 204-1 VTS Connection parameters

Parameters	
Administrative State	Protection Mode
Bidirectional	Site ID
Committed Burst Size(kb/s)	Site Name
Committed Information Rate(Mb/s)	Source
Destination	Source VTS Number
Destination VTS Number	VTS Connection Destination Port
Operational State	VTS Connection ID
Peak Burst Size(kb/s)	VTS Connection Name
Peak Information Rate(Mb/s)	VTS Connection Source Port

Table 204-2 Administrative State

Name	Value
Displayed name	Administrative State
OSS name	administrativeState
Type	optical.ConnectionAdminState
Default	Up
Mandatory on creation	yes
Tab|Panel	General|VTS Connection State
Description	The administrative state of the connection.
Enumerated types	

(1 of 2)

Name	Value
Automatic In-Service	
Blocking	
Down	
Maintenance	
Partially Down	
Standby/Backup	
Unknown	
Up	

(2 of 2)

Table 204-3 Bidirectional

Name	Value
Displayed name	Bidirectional
OSS name	biDirectional
Type	BOOL
Default	true
Tab|Panel	General|VTS Connection Details
Description	Indicates if this connection is a unidirectional or bidirectional connection.

Table 204-4 Committed Burst Size(kb/s)

Name	Value
Displayed name	Committed Burst Size(kb/s)
OSS name	vtsCommittedBurstRate
Type	optical.CbsAndEbsRate
Default	256
Tab|Panel	General|VTS Connection Details
Description	The CBS value of the VTS connection. Configurable values: 16, 32, 64, 128, 256, 512, 1024, 2048, 4096, 8192, 16384 (Kbytes).
Enumerated types	
1024	
128	
16	
16384	
2048	
256	

(1 of 2)

Name	Value
32	
4096	
512	
64	
8192	

(2 of 2)

Table 204-5 Committed Information Rate(Mb/s)

Name	Value
Displayed name	Committed Information Rate(Mb/s)
OSS name	vtsCommittedInfoRate
Type	optical.CirAndEirRate
Default	100
Tab|Panel	General|VTS Connection Details
Description	The CIR value of the VTS connection . Configurable range: 0 to 10000 (mbps).
Enumerated types	
0	
1	
10	
100	
1000	
10000	
15	
150	
1500	
2	
20	
200	
2000	
25	
250	
2500	
3	
30	
300	
3000	

(1 of 3)

Name	Value
35	
350	
3500	
4	
40	
400	
4000	
45	
450	
4500	
5	
50	
500	
5000	
55	
550	
5500	
6	
60	
600	
6000	
65	
650	
6500	
7	
70	
700	
7000	
75	
750	
7500	
8	
80	
800	
8000	
85	
850	

(2 of 3)

Name	Value
8500	
9	
90	
900	
9000	
95	
950	
9500	

(3 of 3)

Table 204-6 Destination

Name	Value
Displayed name	Destination
OSS name	endpointZName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Name of the endpoint Z, used for display.

Table 204-7 Destination VTS Number

Name	Value
Displayed name	Destination VTS Number
OSS name	vtsConnDestVts
Type	LONG
Minimum	1
Maximum	100
Tab|Panel	General|VTS Connection Destination
Description	The VTS number of the VTS connection destination. line: 1 to 32 for subrate 1 to 100 for QinQ client: 1 to 10.

Table 204-8 Operational State

Name	Value
Displayed name	Operational State

(1 of 2)

Name	Value
OSS name	operationalState
Type	optical.ConnectionOperState
Tab|Panel	General|VTS Connection State
Description	The operational state of the connection.
Enumerated types	
Down	
Partially Down	
Unknown	
Up	

(2 of 2)

Table 204-9 Peak Burst Size(kb/s)

Name	Value
Displayed name	Peak Burst Size(kb/s)
OSS name	vtsExcessBurstRate
Type	optical.CbsAndEbsRate
Default	4096
Tab|Panel	General|VTS Connection Details
Description	The EBS value of the VTS connection. Configurable values: 16, 32, 64, 128, 256, 512, 1024, 2048, 4096, 8192, 16384 (Kbytes).
Enumerated types	
1024	
128	
16	
16384	
2048	
256	
32	
4096	
512	
64	
8192	

Table 204-10 Peak Information Rate(Mb/s)

Name	Value
Displayed name	Peak Information Rate(Mb/s)
OSS name	vtsExcessInfoRate
Type	optical.CirAndEirRate
Default	100
Tab|Panel	General|VTS Connection Details
Description	The EIR value of the VTS connection. Configurable range: 0 to 10000 (mbps)
Enumerated types	
0	
1	
10	
100	
1000	
10000	
15	
150	
1500	
2	
20	
200	
2000	
25	
250	
2500	
3	
30	
300	
3000	
35	
350	
3500	
4	
40	
400	
4000	
45	

(1 of 2)

Name	Value
450	
4500	
5	
50	
500	
5000	
55	
550	
5500	
6	
60	
600	
6000	
65	
650	
6500	
7	
70	
700	
7000	
75	
750	
7500	
8	
80	
800	
8000	
85	
850	
8500	
9	
90	
900	
9000	
95	
950	
9500	

(2 of 2)

Table 204-11 Protection Mode

Name	Value
Displayed name	Protection Mode
OSS name	protectionState
Type	optical.ProtectionState
Default	Unprotected
Mandatory on creation	yes
Tab|Panel	General|VTS Connection Details
Description	The protection state of the connection.
Enumerated types	
Unprotected	
Protection	
Working	

Table 204-12 Site ID

Name	Value
Displayed name	Site ID
OSS name	siteId
Type	STRING
Maximum	50
Default	0.0.0.0
Tab|Panel	General|General
Description	Site id.

Table 204-13 Site Name

Name	Value
Displayed name	Site Name
OSS name	siteName
Type	STRING
Tab|Panel	General|General
Description	Site name.

Table 204-14 Source

Name	Value
Displayed name	Source
OSS name	endpointAName
Type	STRING
Read-only	yes
Tab|Panel	General|General
Description	Name of the endpoint A, used for display.

Table 204-15 Source VTS Number

Name	Value
Displayed name	Source VTS Number
OSS name	vtsConnSrcVts
Type	LONG
Minimum	1
Maximum	100
Tab|Panel	General|VTS Connection Source
Description	The VTS number of the VTS connection source. line: 1 to 32 for subrate 1 to 100 for QinQ client: 1 to 10.

Table 204-16 VTS Connection Destination Port

Name	Value
Displayed name	VTS Connection Destination Port
OSS name	vtsConnDestPortId
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|VTS Connection Destination
Description	Destination Port of the VTS connection.

Table 204-17 VTS Connection ID

Name	Value
Displayed name	VTS Connection ID
OSS name	vtsConnId

(1 of 2)

Name	Value
Type	LONG
Tab|Panel	General|General
Description	The connection id of the vts connection

(2 of 2)

Table 204-18 VTS Connection Name

Name	Value
Displayed name	VTS Connection Name
OSS name	vtsConnName
Type	STRING
Minimum	1
Maximum	60
Mandatory on creation	yes
Tab|Panel	General|General
Description	The description of the VTS connection.

Table 204-19 VTS Connection Source Port

Name	Value
Displayed name	VTS Connection Source Port
OSS name	vtsConnSrcPortId
Type	POINTER
Mandatory on creation	yes
Tab|Panel	General|VTS Connection Source
Description	Source Port of the VTS connection.

205 —Wave Key Decoder

Table 205-1 Wave Key Decoder parameters

Parameters	
Can Modify Power In Can Modify Power Out	Is Inferred In Is Inferred Out

Table 205-2 Can Modify Power In

Name	Value
Displayed name	Can Modify Power In
OSS name	canModifyPowerIn
Type	BOOL
Read-only	yes
Tab|Panel	General|General
Description	Indicates whether or not the Detect point power can be modified.

Table 205-3 Can Modify Power Out

Name	Value
Displayed name	Can Modify Power Out
OSS name	canModifyPowerOut

(1 of 2)

Name	Value
Type	BOOL
Read-only	yes
Tab|Panel	General|General
Description	Indicates whether or not the Detect point power can be modified.

(2 of 2)

Table 205-4 Is Inferred In

Name	Value
Displayed name	Is Inferred In
OSS name	isInferredIn
Type	BOOL
Read-only	yes
Tab|Panel	General|General
Description	Indicates whether or not the Detect point is inferred.

Table 205-5 Is Inferred Out

Name	Value
Displayed name	Is Inferred Out
OSS name	isInferredOut
Type	BOOL
Read-only	yes
Tab|Panel	General|General
Description	Indicates whether or not the Detect point is inferred.

206 —Wave Keys

Table 206-1 Wave Keys parameters

Parameters	
Channel Status	OSNR
Direction	Power At Monitorod Port
Expected Power	Power Management Type
Expected Power Deviation	Wave Key 1
Expected Power Tolerance	Wave Key 2
Frequency	Wave Key Processing State
Measured Power	Wave Keys Present

Table 206-2 Channel Status

Name	Value
Displayed name	Channel Status
OSS name	wtkStatus
Type	optical.OchStatus
Tab|Panel	General|General
Description	Defines OCH status.
Enumerated types	
Down	
Testing	
Unassigned	

(1 of 2)

Name	Value
Up	

(2 of 2)

Table 206-3 Direction

Name	Value
Displayed name	Direction
OSS name	direction
Type	optical.Direction
Mandatory on creation	yes
Tab|Panel	General|General
Description	The signal direction.
Enumerated types	
In	
Out	

Table 206-4 Expected Power

Name	Value
Displayed name	Expected Power
OSS name	wtkExpectedPower
Type	FLOAT
Minimum	-99
Maximum	11
Default	-99.0
Units	dBm
Step	0.01
Tab|Panel	General|General
Description	The power, expressed in units of mBm, associated with the expected Wave Keys. It is the average power of the Wave Keys. Current configurable range: -99.00	-40.00 to 11.00.

Table 206-5 Expected Power Deviation

Name	Value
Displayed name	Expected Power Deviation
OSS name	wtkExpectedPowerDeviation

(1 of 2)

Name	Value
Type	FLOAT
Minimum	0
Maximum	10
Default	2.5
Units	dB
Step	0.01
Tab|Panel	General|General
Description	The allowed deviation of the expected power, expressed in units of mB. Current configurable range: 0 to 10.00.

(2 of 2)

Table 206-6 Expected Power Tolerance

Name	Value
Displayed name	Expected Power Tolerance
OSS name	wtkExpectedPowerTolerance
Type	FLOAT
Minimum	0
Maximum	5
Default	0
Units	dB
Step	0.01
Tab|Panel	General|General
Description	The allowed tolerance of the expected power, expressed in units of mB. Current configurable range: 0 to 5.00.

Table 206-7 Frequency

Name	Value
Displayed name	Frequency
OSS name	channel
Type	optical.ITUChannel
Default	8760
Mandatory on creation	yes
Tab|Panel	General|General
Description	The ITU channel.
Enumerated types	

(1 of 7)

Name	Value
1310	
1471	
1490	
1491	
1511	
1530	
1531	
1550	
1551	
1571	
1591	
1611	
1625	
850	
8650	
8655	
8660	
8665	
8670	
8675	
8680	
8685	
8690	
8695	
8700	
8705	
8710	
8715	
8720	
8725	
8730	
8735	
8740	
8745	
8750	
8755	
8760	

(2 of 7)

Name	Value
8765	
8770	
8775	
8780	
8785	
8790	
8795	
8800	
8805	
8810	
8815	
8820	
8825	
8830	
8835	
8840	
8845	
8850	
8855	
8860	
8865	
8870	
8875	
8880	
8885	
8890	
8895	
8900	
8905	
8910	
8915	
8920	
8925	
8930	
8935	
8940	
8945	

(3 of 7)

Name	Value
8950	
8955	
8960	
8965	
8970	
8975	
8980	
8985	
8990	
8995	
9000	
9005	
9010	
9015	
9020	
9025	
9030	
9035	
9040	
9045	
9050	
9055	
9060	
9065	
9070	
9075	
9080	
9085	
9090	
9095	
9100	
9105	
9110	
9115	
9120	
9125	
9130	

(4 of 7)

Name	Value
9135	
9140	
9145	
9150	
9155	
9160	
9165	
9170	
9175	
9180	
9185	
9190	
9195	
9200	
9205	
9210	
9215	
9220	
9225	
9230	
9235	
9240	
9245	
9250	
9255	
9260	
9265	
9270	
9275	
9280	
9285	
9290	
9295	
9300	
9305	
9310	
9315	

(5 of 7)

Name	Value
9320	
9325	
9330	
9335	
9340	
9345	
9350	
9355	
9360	
9365	
9370	
9375	
9380	
9385	
9390	
9395	
9400	
9405	
9410	
9415	
9420	
9425	
9430	
9435	
9440	
9445	
9450	
9455	
9460	
9465	
9470	
9475	
9480	
9485	
9490	
9495	
9500	

(6 of 7)

Name	Value
9505	
9510	
9515	
9520	
9525	
9530	
9535	
9540	
9545	
9550	
9555	
9560	
9565	
9570	
9575	
9580	
9585	
9590	
9595	
9600	
9605	
None	

(7 of 7)

Table 206-8 Measured Power

Name	Value
Displayed name	Measured Power
OSS name	wtkPresentPower
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	General|General
Description	The power, expressed in units of mBm, associated with the received Wave Keys. The value will be the average, over the sampling interval, of the Wave Keys.

Table 206-9 OSNR

Name	Value
Displayed name	OSNR
OSS name	wtocmaosnr
Type	FLOAT
Default	-99.0
Units	dB
Tab|Panel	General|General
Description	The OSNR, expressed in units of mB, associated with the received channel at the WTOCMA IN port. A value of -9900 is reported if power less than input threshold

Table 206-10 Power At Monitorod Port

Name	Value
Displayed name	Power At Monitorod Port
OSS name	wtocmPowerAtMoniPort
Type	FLOAT
Default	-99.0
Units	dBm
Tab|Panel	General|General
Description	The power, expressed in units of mBm, associated with the received channel at the associated monitored port. A value of -9900 is reported if power less than input threshold.

Table 206-11 Power Management Type

Name	Value
Displayed name	Power Management Type
OSS name	powerMgmtType
Type	optical.PowerMgmtType
Default	no
Read-only	yes
Tab|Panel	General|General
Description	The type of power management.
Enumerated types	
Auto	
Hybrid	

(1 of 2)

Name	Value
Manual	

(2 of 2)

Table 206-12 Wave Key 1

Name	Value
Displayed name	Wave Key 1
OSS name	wtkExpectedWk1
Type	LONG
Minimum	0
Maximum	4096
Default	0
Tab|Panel	General|General
Description	One of many possible Wave Keys expected to be riding on a particular channel. A value of zero indicates no Wave Key expected. Current configurable range: 0 to 4096.

Table 206-13 Wave Key 2

Name	Value
Displayed name	Wave Key 2
OSS name	wtkExpectedWk2
Type	LONG
Minimum	0
Maximum	4096
Default	0
Tab|Panel	General|General
Description	One of many possible Wave Keys expected to be riding on a particular channel. A value of zero indicates no Wave Key expected. Current configurable range: 0 to 4096.

Table 206-14 Wave Key Processing State

Name	Value
Displayed name	Wave Key Processing State
OSS name	wtocmProcessingState
Type	optical.WtoCmProcessingStateType

(1 of 2)

Name	Value
Default	Not Provisioned And Channel Not Present
Tab|Panel	General|General
Description	Processing State
Enumerated types	
Not Provisioned And Channel Present No Keys	
Not Provisioned And Hardware Fault	
Not Provisioned And Channel Not Present	
Not Provisioned And Unconfirmed	
Not Provisioned And Unexpected	
Provisioned And Channel Present No Keys	
Provisioned And Confirmed	
Provisioned With Expected And Unexpected	
Provisioned And Hardware Fault	
Provisioned And Channel Not Present	
Provisioned And Channel Present	
Provisioned And Unconfirmed	
Provisioned And Unexpected	

(2 of 2)

Table 206-15 Wave Keys Present

Name	Value
Displayed name	Wave Keys Present
OSS name	wtkReceived
Type	BOOL
Tab|Panel	General|General
Description	A indication that the two expected Wave Keys are present on a particular channel.

207 —WSS Attenuation

Table 207-1 WSS Attenuation parameters

Parameters	
Applicability	Frequency
Current Relative Attenuation	WSS Attenuation

Table 207-2 Applicability

Name	Value
Displayed name	Applicability
OSS name	applicability
Type	optical.Applicability
Tab|Panel	General|General
Description	The applicability of WSS attenuation, values include: notApplicable (1) - no XC is configured for this channel. applicableAndAvailable (2) - XC is configured for this channel.
Enumerated types	
Applicable And Available	
Applicable And Unavailable	
Not Applicable	

Table 207-3 Current Relative Attenuation

Name	Value
Displayed name	Current Relative Attenuation
OSS name	wssCurrentRelativeAttenuation
Type	STRING
Default	N/A
Units	dB
Tab|Panel	General|General
Description	The attenuation, expressed in units of mBm, is associated with the WSS channel attenuation. This is the current relative attenuation. Current range: 0 to 1500.

Table 207-4 Frequency

Name	Value
Displayed name	Frequency
OSS name	channel
Type	optical.ITUChannel
Default	8760
Mandatory on creation	yes
Tab|Panel	General|General
Description	The ITU channel.
Enumerated types	
1310	
1471	
1490	
1491	
1511	
1530	
1531	
1550	
1551	
1571	
1591	
1611	
1625	
850	
8650	

(1 of 7)

Name	Value
8655	
8660	
8665	
8670	
8675	
8680	
8685	
8690	
8695	
8700	
8705	
8710	
8715	
8720	
8725	
8730	
8735	
8740	
8745	
8750	
8755	
8760	
8765	
8770	
8775	
8780	
8785	
8790	
8795	
8800	
8805	
8810	
8815	
8820	
8825	
8830	
8835	

(2 of 7)

Name	Value
8840	
8845	
8850	
8855	
8860	
8865	
8870	
8875	
8880	
8885	
8890	
8895	
8900	
8905	
8910	
8915	
8920	
8925	
8930	
8935	
8940	
8945	
8950	
8955	
8960	
8965	
8970	
8975	
8980	
8985	
8990	
8995	
9000	
9005	
9010	
9015	
9020	

(3 of 7)

Name	Value
9025	
9030	
9035	
9040	
9045	
9050	
9055	
9060	
9065	
9070	
9075	
9080	
9085	
9090	
9095	
9100	
9105	
9110	
9115	
9120	
9125	
9130	
9135	
9140	
9145	
9150	
9155	
9160	
9165	
9170	
9175	
9180	
9185	
9190	
9195	
9200	
9205	

(4 of 7)

Name	Value
9210	
9215	
9220	
9225	
9230	
9235	
9240	
9245	
9250	
9255	
9260	
9265	
9270	
9275	
9280	
9285	
9290	
9295	
9300	
9305	
9310	
9315	
9320	
9325	
9330	
9335	
9340	
9345	
9350	
9355	
9360	
9365	
9370	
9375	
9380	
9385	
9390	

(5 of 7)

Name	Value
9395	
9400	
9405	
9410	
9415	
9420	
9425	
9430	
9435	
9440	
9445	
9450	
9455	
9460	
9465	
9470	
9475	
9480	
9485	
9490	
9495	
9500	
9505	
9510	
9515	
9520	
9525	
9530	
9535	
9540	
9545	
9550	
9555	
9560	
9565	
9570	
9575	

(6 of 7)

Name	Value
9580	
9585	
9590	
9595	
9600	
9605	
None	

(7 of 7)

Table 207-5 WSS Attenuation

Name	Value
Displayed name	WSS Attenuation
OSS name	wssAttenuation
Type	FLOAT
Minimum	0
Maximum	15
Default	15.00
Units	dB
Tab|Panel	General|General
Description	The attenuation, expressed in units of dB, associated with the WSS channel attenuation.

1830 PSS miscellaneous parameters

208 — NE Software Upgrade

208 —NE Software Upgrade

208.1 NE software upgrade parameters   *208-2*

208.1 NE software upgrade parameters

This chapter describes the parameters on the NE software upgrade forms and the child forms.

Auto-Activate After Successful File Transfer

(isAutoActivate)

The Auto-Activate After Successful File Transfer parameter indicates whether the 5620 SAM server will activate the software image after transferring it successfully to the node. It updates the BOF file on the node to point to this image, and backs up the currently active boot loader. The boot loader replaces it by the boot loader from the selected image and then forces a boot env resync for nodes with redundant CPMs.

Auto-Commit After Successful Software Activation

(isAutoAccept)

The Auto-Commit After Successful Software Activation parameter indicates whether the 5620 SAM automatically sends the Accept Software Image request to the node following the successful activation of that same software image.

Force Upgrade

(forceUpgrade)

When the Force Upgrade parameter is enabled, it results in the database being purged (only if there is no upgrade path available). Disable enforces node DB backup.

- enable
- disable (default)

Node Backup

(backup)

When enabled, the Node Backup parameter enforces DB backup on the node.

- enable
- disable (default)

Server IP

(ftpServerIP)

The FTP Server IP parameter specifies the IP address of the FTP or SFTP server that stores the software image files. The address can be IPv4 or IPv6 format.

SFTP/FTP User ID

(ftpUser)

The FTP User ID parameter specifies the user name that is used to log in to the FTP or SFTP server that stores the software image files. The range is 0 to 255 characters.

SFTP/FTP Password

(ftpPassword)

The FTP Password parameter specifies the password that is used to log in to the FTP or SFTP server that stores the software image files. The range is 0 to 255 characters.

Transfer Protocol

(ftpType)

The Transfer Protocol parameter specifies the type of FTP to use for transferring software image files. The options are:
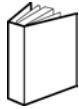
- FTP
- SFTP

Use Active Server

(useActiveServer)

The Use Active Server parameter specifies that the 5620 SAM active server is used for 1830 PSS node configuration backups.

Customer documentation and product support

Customer documentation

http://www.alcatel-lucent.com/myaccess

Product manuals and documentation updates are available at alcatel-lucent.com. If you are a new user and require access to this service, please contact your Alcatel-Lucent sales representative.

Technical Support

http://support.alcatel-lucent.com

Documentation feedback

documentation.feedback@alcatel-lucent.com

Alcatel·Lucent

www.alcatel-lucent.com